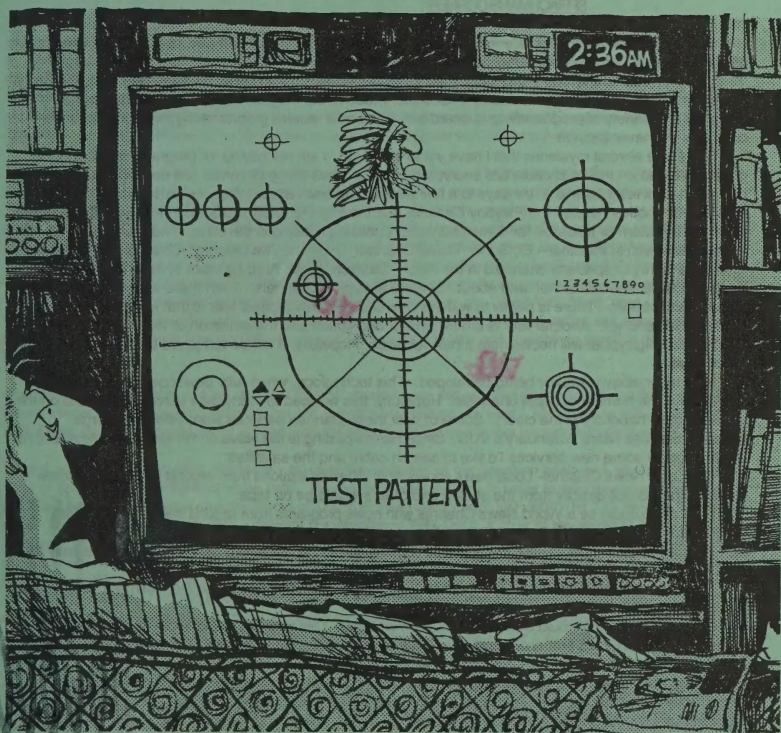


Vhf-UhfDIGEST

The Official Publication of the Worldwide TV-FM DX Association

MARCH 1993



"@XZ!& un-ID's!"

ANARC UPDATE

The ANARC Newsletter is back. It has a new name, new look and new purpose. It is now called the ANARC UPDATE and its purpose is to inform the various clubs about what is going on in ANARC and the member clubs. The "Update" includes information about upcoming events and contests sponsored by DX organizations. Each ANARC Committee has a full page report. The "Update" looks great and is a good way to keep with ANARC's business. The "Update" is published quarterly. And if I find any articles of interest I'll send them in for publication in the VUD.

SPRACHMANS CORNER

Locally, new on the media scene is WBSI 103.1 from Bay Shore NY with an Oldies format. The first official day on the air was Feb. 10th. Starting time 1:03 pm.

I've become a "Dish Head"! We had a satellite dish installed on the house in December. IT IS GREAT!! I've been watching television constantly ever since, much to the disgust of my wife. The number of channels and variety of programming is incredible. I can now receive programming that our local cable company will never provide.

There are several mysteries that I have yet to figure out. I am not paying for programming so the channels found on the local cable are encrypted. But, at times these channels are not encrypted. This can go on for a few hours to a few days to a few weeks. I've seen almost every cable service in the clear at one time or another, except the Playboy Channel and the Pay Per View channels. I have yet to figure out if there is a pattern or a reason for these channels occasionally being in the clear. There are plenty of "Cable channels" in the clear-- E!, Sci Fi, Travel Channel, C-SPAN, The Learning Channel and Court TV. There are plenty of specialty channels in the clear-- Deutsch Welle, Arab Network of America, The New England Cable News Channel, and about 15 home shopping channels. Then there are the channels from Canada and Mexico. There is plenty to watch in the CLEAR!! My biggest fear is that someday these channels will encrypt. Another fear is a new form of encryption and transmission of television called Digicypher. Digicypher will necessitate a new receiver. Hopefully, it will be ten years before Digicypher is a major threat.

New technology is rapidly being developed. This technology, when fully developed will cause an explosion in the number of cable channels. Hopefully, this will lead to many new services available on the satellites (and hopefully in the clear). Some of new these planned services were listed in George Jensen's Satellite News in January's VUD. Since narrowcasting is the wave of the future for television, I'd like to suggest some new services I'd like to see on cable and the satellites:

The Local News Channel- Local news shows from different stations from around the country, some would be broadcast directly from the station and others would be on tape.

Then there could be a World News Channel with news programs from around the world in English. It would be similar to the SCOLA service.

The Cooking Channel. There are so many cooking shows on television that I'm sure it will be easy to fill a 24 hour-a-day schedule. These shows can be scheduled based on an upcoming meal.

The Home Exercise Channel. 24 hours of Jane Fonda workout videos, plus infomercials for exercise equipment.

One of my favorites would be Vintage Sit-Com channel. This channel would show all those great sitcoms from 1950 to 1965 that aren't shown on Nick at Night: "Ozzie and Harriet", "Car 54 Where Are You?" and "My Mother the Car".

I'd also like to see more International programming. If the Arab Network of America can be on the "birds," why can't there be Greek-TV, The Indian Channel and a full time Italian (RAI) Channel. The programmers should get innovative. How about Haitian TV, The African Channel and Polish TV. Finally, how about a variety of Spanish Language channels-- All news, Music Videos and Anglo-Hispanic TV, a channel featuring Hispanic culture and music but in the English language.

The future of television is going to be exciting. With a satellite dish, I hope to see it all.

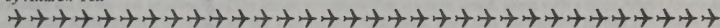
Well, Spring is almost here and hopefully we will have a great DX year. Until next time, I'll keep watching.

73's

Steven P. Sprachman

GOING TO AMERICA

by Andrew Tett



The plane descended over a rapidly darkening Iowa. I swallowed repeatedly. The change in pressure was giving my ears a hard time while my eyes, in total contrast, enjoyed a wonderful view of a myriad of white and orange lights. These lay in clusters across an otherwise flat mid-western landscape of perfectly square fields, laid out uniformly side by side all across the state. That day, I was realising a long-held ambition, that of taking a trip across the Atlantic to the United States of America.

The reason, like many, was to visit a number of relatives, descendants of some of those pioneering people who felt the need to leave their original homelands and cross the water to the New World. They took with them dearly-held cultural expressions that still stand proud in the cosmopolitan society that is America today. Most Americans speak English as their first language but most Americans are definitely not english. Over the next few days we had the chance to compare notes, so to speak, continually eager to discover our differences; "Do you have ... in England?"; "So you have ... as well over here?"; "What's the pound worth in Dollars at the moment?"

Here is something of what we discovered: For a British visitor, most of the things that we take for granted are less expensive in the US. Food, clothing, and consumer goods often seem to cost around the same amount in dollars as we would expect on UK price-tags in Pounds Sterling. Most incredulous for the visitor to the States continues to be the well-known low cost of gasoline, sold in a so-called Federal or US Gallon which is 20% smaller than its Imperial equivalent. Even with the recent fall in UK/US exchange rates this remains at around an amazing 90p per Gallon/20p per litre. Even with the consumption consciousness that has been growing since the mid-seventies oil crisis, many still drive those american institutions, the big american car, their V8 engines ever on the growl for gas.

Talking about transport, it's all very simple: everyone drives everywhere. There seem to be few walkers, cyclists, or local buses and no local trains to speak of outside the big metropolitan areas - you need a car to get around. One day I took myself to the Mall on foot to do some shopping. On my three-mile round trip I met... No-one. When at one point a police car drove slowly past I felt quite conspicuous, almost guilty, and had the impression that I could have been picked up at any moment for some misdemeanor or other. Having heard about the illegality of something called "Jaywalking", I was especially careful not to commit this sin and stuck diligently to the 'Sidewalks' (Pavements - they use the word Pavement when referring to the actual road surface, a potentially dangerous thing to be unclear off!) and proper crossing points, identified by another renowned american institution, the "Don't Walk/Walk" sign. The Mall, as I later learned, is where they do walk - 'round and around, before opening time and coffee and donuts, sometimes courtesy of the management who are only too pleased to have them around and available to spend in these recession-hit times.

Another interesting difference is the way that imperial measures are still so extensively used; it was most strange to see references only to pounds, ounces, miles and fahrenheit everywhere we went. Metrification will come but they have a long and uphill struggle ahead of them from the attitudes of the people that we met and talked with.

When I wasn't taking this great opportunity to enjoy the company of our american relatives I was able to explore some of the fascinating differences in the radio, TV and electronics scenes. In order to take maximum advantage of this trip I took with me some essential pieces of DX 'Kit': two radios (Sony SRF-M903/Jet "All Weather" personal radio - free with a gallon of Jet oil!), a cassette recorder (Sony WM-D6C), a copy of the so-called 'M Street Radio Directory', and even a fold-down MW loop, which would have attracted much interest at Airport Security if they had taken a closer look at my luggage! The Sony radio is a digital tuning display model and has the ability to switch from the european 9kHz MW channel spacing to the american 10kHz and also incorporates the ability to tune the recently extended top end (to 1710kHz) although there seem to be no stations on that portion of the band in the US yet. It is surprisingly sensitive for a personal radio and I can recommend it also for selectivity, although this affects the AM audio quality slightly of course. This is where the cheaper Jet radio came to the fore; it has appalling selectivity, rather akin to a crystal set, but gives superb audio quality as a result.

The Americas also have other major benefits with regard to their AM radio standard as compared with a lot of conservative europe: wide audio bandwidth (good quality sound), AM stereo (although this is by no means widespread or widely used) and a sensible FCC bandplan system. On a good portable radio it might be difficult to believe that you are not tuned to FM with the extra audio range that is usually transmitted and I have to say that, contrary to the reason proffered for narrow AM bandwidths in the UK, it made very little difference to interference to and from adjacent channels. I could not find an AM stereo receiver unfortunately so I had no chance to try this mode out but I have heard it (a recording) and it was impressive. I would love to have heard what AM stereo DX is like and how well it stands up to things like signal strength, co/adjacent channel interference and fading.

The bandplan makes sure that no station in the US or Canada transmits more than 50kW of power and, at night-time, interference is minimised by having the so-called "Daytimer" stations switch to lower transmitter powers. Some channels are designated 'Clear Channels' and on these one can expect DX reception of the main 'Clear Channel Broadcaster' without interference. Daytimers, often using between 250W and 1kW, have to reduce their powers considerably at sun down, some to as low as 10W or so - a great DX challenge!



FM DX'ing is facilitated by a sensible bandplan, too; they start the band at 88.1MHz and continue with channels every 200kHz up to 107.9MHz, so adjacent channel interference problems are less there than here in Europe (no stations are on the even multiples of 100kHz). The maximum deviation (station sound volume) allowed is the same as in Europe but a different Pre-Emphasis characteristic is used, 75us as opposed to the normal 50us. Pre-emphasis (a prescribed amount of treble boost) is usually applied to the audio on FM radio systems to help reduce the "hiss" factor a little, the corresponding De-Emphasis on receive correcting the treble response again, cutting the hiss a little at the same time. This means that FM sounds a little brighter there when listened to on a European radio. RDS is on it's way but in a different form. It will be a sort of "RDS plus", an extra intelligent RDS-type system known as RBDS (Radio Broadcast Data System) and was only recently decided on. In the future it is hoped to extend the facility to AM radio stations as well.

I managed to do a couple of band scans, both in Ames, Iowa and Seattle, Washington, the two places that we visited but to list the results here would be largely pointless. The way that propagation works is of course the same over this earth and with local topographical variations you can predict what might be expected to be heard, both on AM and FM under normal conditions. I made many recordings of these scans and periods made listening and they will be featured over the next few months on the BDXC's Tape Circle. Night-time conditions on AM gave good long distance reception of stations as expected and with the kit that I had taken with me I only heard one station that I suspect came from outside the US.

Before I went I was warned that I would not be able to do much FM DX'ing as a result of the powers, heights and locations of the transmitters of the local stations and the likely resulting overload in the receiver. In Ames I was fortunate to be a reasonable distance from the local FM transmitters and tuning around the band was not too difficult. However, in Washington I was so close to a transmitter with about four or five 100,000kWers on it that even with the headphone lead wrapped right around my personal radio to reduce the received signal level overload was severe. Only about half a dozen of the many signals that I know should have been heard in that area were possible to hear at all as a result. It did make for good stereo reception of the ones that I could hear, though!

As already mentioned, I took with me a copy of the so-called 'M Street Radio Directory'. Named after the company that publishes it, this WRTH-sized book lists every radio station in the US and Canada in various useful ways, for example in frequency order or call sign order, and goes into every detail imaginable for each station. I found it an invaluable aid to my task of identifying the myriad of stations that could be heard, along with a large AAA (American Automobile Association) US road map that I found in a local book store that enabled me to find out where the stations were geographically. If you have an interest in american radio you can order the M Street Directory direct from the States with the aid of your credit or Visa debit card. Just call the DX Radio Supply in Wagontown, Pennsylvania on 010 1 215 273 7823 and ask them to mail you a copy. The cost at the time that I ordered it (fortunately at a time when the pound was worth nearly \$2.00!) was £32.95 and airmail to see it into the UK extra quickly came to an extra \$14.00. The ISBN number, in case you can order it through a UK bookstore is: 0 240 80176 8 (ISSN: 1052-7117).

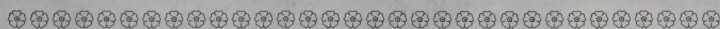
Television is another area where there are differences: Apart from the quality of the programming (no comment!) the technical standards are different from the normal 625-line standard that most of the world now uses. They use 525 lines transmitted at a field rate of 60Hz (their mains frequency), making for a less flickery but noticeably less clear picture. A so-called 'NTSC' system is used for colour, the original system from which PAL developed and had incorporated in it a number of improvements, mainly with regard to consistency of colour rendition. NTSC has the unfortunate unofficial meaning "Never Twice the Same Colour", which says it all!

Both VHF and UHF are used, and cable is widespread. At the houses where I stayed only the normal off-air TV was used and most stations use VHF for this. Because of the lower bandwidth that the technically inferior 525-line system needs the channels are more closely spaced than in Europe and they manage to fit an amazing 83 channels into the whole VHF/UHF spectrum, although I heard that 70 - 83 have now been given over to other services. Channels 2, 3 and 4 use what we know as Band I, 5 and 6 a sort of low Band II, and 7 - 13 Band III. 14 - 83 are in the usual UHF Band IV/V spectrum. Interestingly, videos use a switchable channel in Band I for playback into the TV, either 2/4 or 3/4, not UHF as one might expect. Cable systems can deliver a staggering maximum of 110 channels!

Just a note on other technical matters in which a DX'er might be interested - Mains Power and Telephones. Most people know that domestic appliances use a 120v system of domestic power distribution with a frequency of 60Hz. What came as news to me is that they actually pipe 240v to most homes nowadays which is split at the consumer's box into 120v for general power and lighting and 240v for heavy duty appliances like the washing machine, tumble drier and cooker. If you decide to emigrate at any time you might like to remember this as most frequency independent equipment could be made to function with a little careful wiring! 60Hz mains hum, by the way, sounds peculiar to an ear used to the rasping sound of UK 50Hz with its lower pitch.

DX'ers of american stations can often hear 'phone numbers quoted over the airwaves and I found a useful page from the US West telephone directory to take home with a map of all the current US area codes and their locations. As you might expect it is generally less expensive to rent a line than in the UK and you can subscribe to at least 2 other major long-distance carriers apart from the universally available AT+T. With US West - our relatives' 'phone company - local area 'phone calls were free for a small monthly fee and longer distance calls only were metered. All american 'phone numbers are made up of seven digits (three + four) and each area has its own three digit 'Area Code' which are like our STD codes. Mobile (cell-) 'phones are being increasingly widely used and also work in a slightly different way numbering system-wise from the UK, and - yes, you've guessed it - cheaper to own and to rent. It is expected that most people will have one in the next few years.

I did enjoy many other experiences during my time in the US, a small amount of sight-seeing, a wedding, time with relatives, eating some delicious meals - eating too much! I flew home, my curiosity satiated and an ambition fulfilled. In recent years I have begun to look and to travel abroad more, expanding my own world as I explore one that is startling in its variety and yet so surprising in its similarities. Long-Distance radio listening encourages me to taste its treasure and also of course to share in its trials. Now, where next?



*Note: this article first appeared in Communication, the monthly journal of the **British DX Club**, edition 217, December 1992. It is reprinted here in its entirety, unedited, with permission of the author. The figure depicts Holy Trinity Church, Knaresborough, North Yorkshire, as it appeared in 1856. The low-band VHF yagi at the top of the 166-foot spire is pointed west in an attempt to pick up F2 skip from North America.*

*The **British DX Club**, established in 1974, serves the interests of DX'ers in all bands with the exception of amateur radio, CB, and utility reception. The monthly publication, Communication, has very rapid turnaround (8 days from deadline to member's doors!) for up-to-date news. It is about the same size and layout as the VHF-UHF Digest, and has several regular sections, including DX News, QSL Report, Alternative Airwaves (about pirate radio), Logbook (personal HF loggings), Tropical Bands, Beyond the Horizon (personal loggings of VHF FM and TV), and Mailbox. Andrew Tett serves as the club's Tape Circle manager and contributes regular articles to Communication. Enquiries about the BDXC may be sent to: BDXC, Colin Wright, 54 Birkhall Road, Catford, London SE6 1TE. Comments about this article are welcomed by Tim McVey, PSC45, Box 1066, APO, AE 09468. Cheers!*

Jeff Kadet-Macomb, Illinois is our reporter. Equipment: ICOM R7000 with video adapter; Zenith N1310 13" color set. Screened Channel Master 7' dish and RDX UA-900 UHF preamp, feed is .500" aluminum hardline, antenna up 85 feet. Channel Master 1110 Quantum with Winegard PA-1975 VHF preamp, feed is .500" aluminum hardline, antenna up 80 feet. Winegard 5 element lo-band yagi (vertically polarized) with RG-11 feed, antenna up 18 feet.

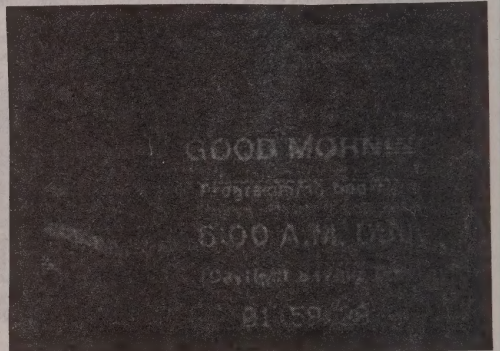
WMAW-14 Meridian Mississippi

581 mile tropo
seen September 12, 1992
at 2345 CDT



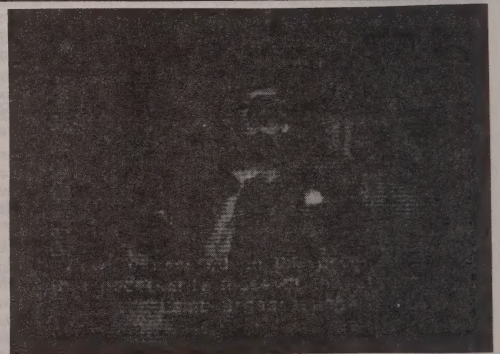
CIC092-55 Cloyne Ontario

728 mile tropo
seen September 13, 1992
at 0059 CDT



KMCT-39 West Monroe Louisiana

555 mile tropo
seen September 13, 1992
at 0128 CDT



continued to page 2....

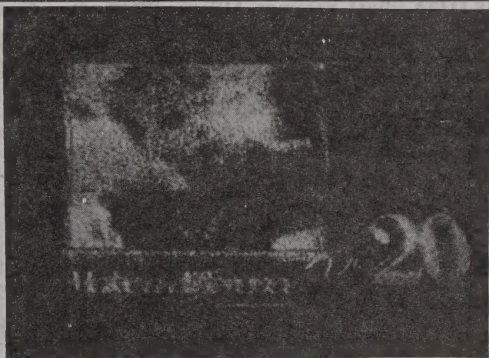
Jeff Kadet's foto file continues....

**WDCA-20
Washington
District of Columbia**

728 mile tropo

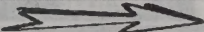
seen September 13, 1992

at 0400 CDT



more from Jeff next time.

NEW REPORTER



Rocky Robello-Pocatello Idaho.
Equipment: RCA 35" color TV,
Goldstar HI-FI VHS VCR, Radio Shack VU-90 antenna up 25 feet. Samsung AF Slim camera
loaded with Kodak Gold 200 film.

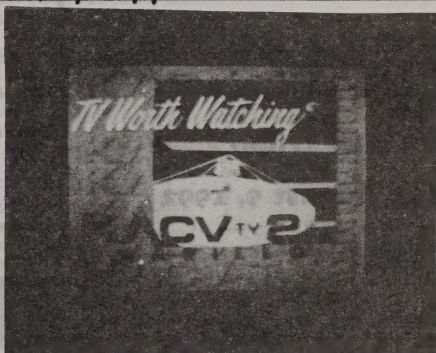
KATE II

**KACV-2
Amarillo
Texas**

750 mile E-skip

seen December 21, 1992

from 0440 to 0445 MST

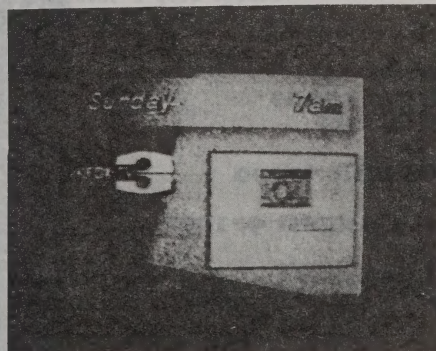


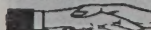
**KFDX-3
Wichita Falls
Texas**

940 mile E-skip

seen December 21, 1992

from 0510 to 0520 MST



 **WELCOME ABORAD Rocky!**

Closing this months column is Robert Kramer-Chicago Illinois. Equip.: 1978 RCA 19" b&w, Sony 19" color set, Mitsui HS-422UR & VCR. Archer U-120 UHF at 68' & V-185 at 58', RG-11 feed. Three Archer 15-1113A adjust. preamps. Alliance HD-73 rotor. Cam. Ricoh XRM 35mm & 400 ASA b&w film.

KTVO-3 Kirksville Missouri

225 mile tropo

seen August 9, 1992

at 0140 CDT



KCCI-8 Des Moines Iowa

315 mile tropo

seen August 9, 1992

at 0320 CDT



KARE-11 Minneapolis Missesota

360 mile tropo

seen August 9, 1992

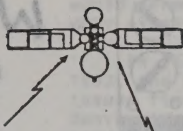
at 0323 CDT



more from Robert next month.

Till next time, DAVE

SATELLITE NEWS



George W. Jensen
4604 Armitana Avenue
Baltimore, MD 21206-4220

Sorry I missed the last edition, but a bad fall on some ice caused me to have orthopedic surgery to sort of reconnect my ankle to my foot. With all the screws, nuts, bolts and plates, I think I'm now bionic, or at least stay away from metal detectors.

There have been many changes since the last column and circumstances prevent me from having all information here, though I believe many have been already reported. On the TDRS satellite at 41 West C-Span is aired in the AM's in PAL color on XPDR 11.

Galaxy 7 is operating at 91 West C and Ku. Spacenet 1 is no more - SCOLA has moved to ASC1 XPDR 23 - I have yet to discover where the In-Store music services migrated to.

In late January there was a major malfunction on Spacenet 2. Several transponders failed. Those affected were 3 - Worldnet, 7 - Main Street and 19 KBL Sports Pittsburgh. XPDR's 3 and 7 were reactivated, but KBL had to transfer to XPDR 13.

RTP - Lisbon, Portugal is being rebroadcast on Spacenet 3 XPDR 24 in our system.

Hisposat is operational and the feed channel to the US is in NTSC - our standard. Signal is grade A on Ku. This is a Ku band bird only. -31 West

Satcom F4 is gradually being vacated.

Already moved to F2 are

30 Infomercials

17 - Sports Channel Plus

18 - Sports Channel - Philadelphia

21 - The New England Cable News Channel

22 - Sports Channel - New York

23 - Sports Channel New England

This has caused the NHK Tokyo feed to move to C1 - 17.

At 9 AM Eastern on Intelsat 27 West XPDR 18 - the CNN London feed - time is given over to ASBU - The Arab. Satellite Broadcast Union for direct news feeds. These are in PAL and SECAM and give the viewer a good opportunity to view test patterns and ID slides from many Arabic speaking nations such as - Morocco, Algeria, Libya, Egypt, Syria, Sudan, Yemen, Turkey, Saudi Arabia, Bahrain, Kuwait, Oman, Abu Dhabi and others. If you can - it's worth a look.

That's all from this end - see you in 30 (I hope)

George

TV News

Doug Smith
14 Brookside Court
Nashville, TN 37209
615-356-8305
CIS 72777.3143

W9W1

OTHER STUFF:

The holder of the construction permit for WYDP-25 Orange Park, Florida (Jacksonville) has applied for permission to sell to the University of North Florida. This is a state-owned college; presumably the station would become a PBS affiliate.

The construction permit for KRBQ-7 Sheridan, Wyoming has been sold by the owners of KTWQ-2 Casper, to the owners of KULR-8 Billings, Montana. KRBQ is to be a satellite of KULR.

WSCO-14 Suring, Wis. (Green Bay market) has asked that the channel be reallocated to Appleton or New London. Both cities are considerably closer to Green Bay. (Suring is over 50km NW) And, much of the population in the market is in cities like Appleton, Neenah, Menasha, Oshkosh, and Manitowoc which are also considerably closer to Appleton/New London than to Suring. Such a change in city of license would require either a change in transmitter location (which is probably the reason for the request) or an increase in power: their existing facilities can't provide adequate signal to either proposed city. My guess is that the FCC will not approve a reallocation to Appleton (there's already a channel, that of off-air WXGZ-32, allocated to that city) but they might approve a reallocation to New London, which currently has no TV assignments. WSCO, a religious station, is currently off the air.

I recently visited the Florence, Decatur, and Huntsville, Alabama areas to try to track down some mysteries. Tom Bryant and Ed Phelps haven't seen WTRT-26 for quite some time: I verified that they're dark. Also, Ed had seen some TBNs he believed to be in north Alabama: there are indeed TBNs in Florence on channel 57 and Huntsville on channel 65.

One of the provisions of the Cable Act requires the FCC to determine whether home shopping stations should receive must-carry protection. A possible outcome of the proceedings could be a finding that these stations don't serve public interest requirements at all, a finding that according to some in the Commission could result in an order for all such stations

Abbreviations used in this column:

ERP= Effective Radiated Power, in kilowatts

HAAT= Height Above Average Terrain, in meters

AAT= Above Average Terrain

AG= Above Ground

ASL= Above Sea Level

nc= no change

TL= Transmitter (and tower) Location

CP= Construction Permit

MP= Modification Permit (modification of CP)

*= Non-commercial

CRTC= Canadian Radio-TV Commission

APPLICATIONS TO CHANGE EXISTING STATIONS:

St.	Ch.	ERP	HAAT	Call	City
AK	13	2.25	-257	KTNL	Sitka (was 200W/-234m)
AR	29	1410	nc	KHOG-TV	Fayetteville
IL	5	20	494	WMAQ-TV	Chicago (was 39.8kW/402m. TL: 41°52'44"N, 87°38'10"W; moves from Hancock Center to Sears Tower.)
TX	51	nc	506	KNWS-TV	Katy (was 2570kW/294m. TL: 29°33'40"N, 95°30'04"W; Senior Rd. tower farm S of Houston)

CALL LETTER CHANGES FOR EXISTING STATIONS:

St.	Ch.	City	Was	Now
CA	43	Clovis	KSDI	KGMC
NM	3	Gallup	KOAV	KOFT

NEW STATIONS ON THE AIR:

Arlington, VA: WTMW 14-:
 2880kW, 173m AAT
 TL 38°56'24"N, 77°04'54"W
 WRC-4 tower, in northwest Washington, DC.
 Noted by Eric Voytko testing in late January.

STATIONS OFF THE AIR:

WTRT-26 Florence, AL; Noted off in early February during a visit to Florence.

to change format within 18 months. A more likely outcome is that of the stations being permitted to continue to broadcast, but not receive must-carry protection.

Two other provisions of the Act have gone into effect. One allows cable subscribers to purchase the cable wiring within their home if they cancel the service. (presumably, to allow them to use it to distribute off-air, satellite, or wireless-cable signals) After cancellation, the cable firm has 30 days to remove the wiring, or title will pass to the subscriber for no charge. Another provision requires channels with indecent programs to be blocked unless a subscriber 18 or older requests the channel be unblocked.

The Clinton administration has ordered the Justice Department to defend the must-carry provisions of the Cable Act, challenged by several cable firms. Before Bill Clinton's inauguration, the Bush-led Justice Department had declined to defend these provisions, which President Bush believed unconstitutional, and vetoed. The Senate has also filed a brief in defense of must-carry.

Broadcasting reports that a HDTV advisory committee has estimated the cost to local TV stations of HDTV transmitting equipment & gear to insert commercials & IDs at roughly \$1.8million. A previous estimate is that the cost of full conversion to HDTV (including locally-produced programs & news) would run between \$5 and \$12million. While a HDTV system hasn't yet been chosen, estimates are that there will be little difference in cost between the systems under test.

It appears likely that the introduction of HDTV will be delayed by several months. A system was to be recommended on Feb. 24, but several systems suffered problems in testing, problems they claim are due to misadjustment of equipment rather than flaws in the system itself. The delay will likely be in the order of 6 months, though it could be shorter if one or more systems -- most likely, NHK's "Narrow-MUSE", the only analog system under consideration -- was dropped from testing.

Zenith has shown a digital vestigial-sideband HDTV system which

would permit transmission of two HDTV signals on one 6MHz channel.

In the week ending Feb. 8, 1993, the FCC's field offices issued fines totalling \$101,000. A Denver AM station was hit the hardest, over \$13,000, for a number of violations including leaving the station unattended; another unidentified station was caught operating with an expired license!

The Commission is considering adding a rather basic question to the license renewal application form-- Is the station on the air? A growing number of stations are going dark & not notifying the FCC within 30 days as required by the regulations. Also, they are proposing replacing the VIR signal on Line 19 with a ghost-cancelling reference signal (WSMV is currently testing this signal); and replacing Line 21/Field 2 (currently available for picture video) with enhanced closed-captioning data.

A San Francisco company has reportedly shown a system of three-dimensional television; the new system would attach to the screen of your TV and would not require the special glasses used in past 3D TV experiments.

FORUM:

Eric Voytko, McLean VA:

I had a pleasant chat with Eric the night I went to press..

First, he caught a typo in the February (and probably January) column. The maybe, maybe not, dark channel 12 in North Dakota is KNRR, not KVRR. KVRR is channel 15 in Fargo and is, to the best of my knowledge, still on the air.

Eric has been seeing WTMW-14 Arlington, Va. (Washington) testing. This station plans home shopping, probably the Home Shopping Spree (1-800-284-3400) as WHSW-24 Baltimore (1-800-284-3200) has the Home Shopping Club "franchise" for that market. The station has had a construction permit for years, but has faced opposition both from zoning boards and from public service agencies concerned about potential front-end overload interference from a high-power station on channel 14.

Also, Eric has noted WYDO-14 (Greenville NC) airing the Fox

Children's Network cartoon shows with a "Fox 8" logo supered. It would appear WYDO has become a satellite of WFXI-8 Morehead City.

Tom Bryant, Nashville, TN:

4CBL

WKXT-8 Knoxville is moving... Tom sent a clipping from the Knoxville News-Sentinel noting that WKXT is building a new studio/office facility in west Knoxville. This is the station that moved from channel 26 in one of the few UHF=>VHF swaps approved in the 1980s. Currently, their studios are with the transmitter on Sharps Ridge, a hilltop overlooking the city, but not particularly accessible to viewers or advertisers. Former WKXT owners South Central Communications have announced plans to move their WIMZ, WIMZ-FM, and WEZK-FM radio stations into the former WKXT studios.

John Combs, Orlando FL:

John sent a clipping from the Jan. 30 Miami Herald regarding WTVJ-4, and the "not the intended effect" effect! Quote: "WTVJ-Channel 4 anticipated some problems when it started broadcasting from its new \$10million tower last week, so it set up a hot line for viewers with reception problems. But after two days -- and about 200 calls -- engineers at the station discovered it wasn't their station that was prompting most of the calls."

In a colossal case of poor timing, WTVJ switched facilities on the same day that WLRN-17 replaced its antenna. This move forced WLTN-23, WPBT-2, and FM station WFLC-97.3 to reduce power in order to avoid RF hazards for the workers on the WLRN tower. Of course, this also reduced the strength of these four stations for outlying viewers, a situation that was promptly blamed on WTVJ's new tower!

John also worries about the potential loss of his favorite Es channel, 4, to a LPTV CP. "How about no LPTVs allowed within 50 miles of any active TV-DXer???" Hey John, could be worse: you could have channels 2 and 5 within 10km and channel 4 about 500m away! Not to mention a 100kW FM at 500m wiping out most of high-band VHF!

John Lentz, Muskego WI:

John sends word of what is, to the best of my knowledge, the first TV LMA. For those of you who aren't familiar with the term LMA, shame on you for not reading Bruce Elving's FM column HI!

Seriously, LMA stands for "Local Marketing Agreement". It's a contract under which one station agrees to provide programming, sales, and other services for another station. To date, all LMAs have involved radio stations; one station basically leases all its airtime to another station in return for a cut of the ad revenue.

In Milwaukee, WVTM-18 and WCGV-24 have signed an LMA, under which Fox affiliate WCGV will program independent WVTM. WVTM's 75 employees have been fired; those necessary to operate the "merged" (Milwaukee Sentinel's words) stations will be rehired. The fate of WVTM's 9pm newscast is currently undetermined.

One probable result of the LMA is the move of Milwaukee Brewers baseball from channel 24 to channel 18. WCGV has the Brewers contract, but the Fox network has indicated unhappiness with affiliates preempting their prime-time programs in favor of sports. The LMA will allow WCGV to continue to air Fox prime-time programs on channel 24, while still airing the baseball games on channel 18.

(Yes, I do access Compuserve. Indeed, for those readers who have CIS accounts, or who have access to the Internet, I can be easily reached with electronic mail. My CIS address is 72777, 3143; as I understand it, my Internet address would be 72777.3143@compuserve.com I keep a U.S./Canadian database on my PC, it's kept with dBase III+, and updated by VHF-UHF Digest DX reports.)

Steven West, Glen Mills PA:

Oops; Steve is the other guy who fell through the cracks: lost a phone message in the Christmas rush...

Steve sent the "channels listed" page from the South Carolina Edition of TV Guide. It lists a WELY-56 in Florence, S.C.. There is, in fact, no such station: it's W56CC, a LPTV licensed to "WELY Inc.". This kind of thing is legal, as long as they ID in some legal way (potentially including Morse Code) on the hour.

Frank Merrill, Macomb IL:

Frank comments on the KDTQ calls recently issued in Los Angeles. "I'd say are definitely for an experimental station. My guess is that it will test video compression." It does look that way; indeed, I've read further information indicating that this is what they're up to. Frank has verified that General Instrument is involved with AT&T in video-compression experiments. While General Instrument isn't involved in any presently proposed HDTV systems, video compression is an element of several proposals.

SPECIAL REPORT: RF, CANCER, AND TV BROADCASTS:

Chances are, you've heard the recent report of a lawsuit involving an individual who made frequent use of a hand-held cellular telephone, and came down with cancer. There has been some concern within the broadcast industry over what effect this suit will have on the already difficult process of obtaining approval for broadcast towers. I won't claim to be any expert on the biological effects of RF energy (indeed, I don't know of anyone who can claim to be an expert in this area!) but I will present a few figures..

First, note that cellular phones operate in the 806-890MHz band, TV channels 70-83. And that the maximum power available in a hand-held phone is 0.6watt. And that the amount of radiation present at a given location is inversely proportional to the square of the distance from the source of that radiation.

Let's say you're holding the antenna of your phone 10cm/4" from your face. And that you're receiving 100 "units" of RF radiation at your face. Now, let's compare that to a 3000kW TV station with an antenna 300m above ground. The 3000kw is 5000 times the power of the cellular phone. But, the antenna is 3000 times further away. We square the distance and get 1/9,000,000 the power per watt transmitted. Multiply by 5000 (for the higher power), and we get 1/1800 the power, at your face, from the TV station as compared to that from the cell phone.

A few other considerations enter in here -- first, that the TV

station is probably on the air at least 18 hours a day, while the cellular phone is only on when you're using it; second, that the 1/1800 the power is only if you're standing at the base of the transmitting tower; third, that VHF-TV stations run considerably less than 3000kw, and fourth that VHF RF is generally considered less dangerous than UHF.

All things considered, I personally would not consider life near a TV tower anywhere near as hazardous as the use of a hand-held cellular phone. There are exceptions -- in some cities, especially in the West, there are TV stations on VERY short towers atop tall mountains; a 3000kW TV on a 30m tower is only 1/6 the radiation of the cell phone. And, of course, I wouldn't dream of climbing a TV tower while the station was on the air! (actually I wouldn't climb with the station off either, but that's another story...)

CONVENTION:

The dates have been firmed up: July 23-25. The site hasn't been finalized quite yet but we're looking at several good locations, likely east or southeast of downtown. We're planning some (but not too many) official events, plus plenty of bull/unID IDing/DXing/etc. sessions. Several of our more active members have already expressed plans to attend; join them at Nashville '93!

DX etc.:

Not much. A few tropos into southern Kentucky/northern Alabama/the Evansville area. Did relog WLCN-19, previously my closest unseen full-power station. There have, however, been definite signs of Es well into February on the ham bands; hopefully some of this is appearing on TV..

One tip for DXers within Es range of Nashville; WSMV-4 is now running frequent promotions for programs on WXMT-30. If you see WXMT calls on channel 4, it's not a translator...

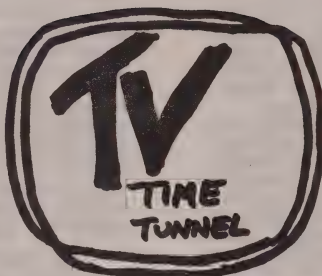
73 Doug

KACDL

WRITTEN BY:

TOM BRYANT
849 TODD PREIS DRIVE
NASHVILLE
TENNESSEE
37221

(615) 646-2000



WTFDA 1993
CONVENTION

JULY 23, 24 & 25

NASHVILLE, TENNESSEE

PLAN NOW
TO ATTEND

#ZLXcQ!!! Jeez...I hate to make mistakes! Even worse, I hate to get caught at it! Well, pardon me for a moment while I wipe some egg off my face. First...the convention dates published last month were wrong. The correct information can be found at top of this page and elsewhere in this issue. Second...the CHCH-tv spread two months ago was incorrectly credited to Bill Eckberg. In actuality, it was Tom Yingling who provided the old NRI publications. The date error was a screwup on my part; the incorrect source credit stems from another problem. A lot of you have sent material for possible use in this column, and it's all kept in a file titled 'upcoming/active' with no mention as to where it originated. In the future I'll try to keep better records.

A POINT TO PONDER: Dale Neiburg of Laurel, MD sent me a note in December which I'm copying almost verbatim so everyone can think it over. "In the November issue of VUD, you mention WMTW in Portland, ME, as having devised its call from the name Mt. Washington (NH), adding, 'It is nearby'. As far as WMTW's transmitter is concerned, the mountain is not only nearby, but underneath: to the best of my knowledge their xmtr site is still at the top of Mt. Washington." Ya got me! I just photocopied the old article about calls and slogans and didn't give it a second thought. Maybe they meant that Portland, ME is near Mt. Washington...and then there's the matter of the actual city of license, Poland Spring. I can find Poland and West Poland on my Maine maps, but NO Poland Spring. What do we have here? Another Warmley?

TWILIGHT ZONE MATERIAL: WRAY-tv...channel 52...Princeton, Indiana. Yes, it did exist...even 6½ years after it went dark! You're going to have to have some pretty rare data to even verify the existence of this one. I can't find it in any of my reference material, including a post-freeze allocation table dated 1952. The parent station was WRAY-AM which went on the air in 1950. When the television station began operation is a mystery, as is information about power and tower height. What little is known indicates that by April of 1960, WRAY-tv had already been off the air for over 6½ years...and between January 30 and February 1 (1960) dxers all across the east and midwest reported receiving the station during a monster four day tropospheric opening. Inquiries to the station apparently failed to produce any answers; but a letter from the Gibson County March of Dimes Foundation partially explained the situation. Here are a few pertinent quotes from that letter of April 28, 1960. "This letter is written concerning your receiving our Polio Telethon this past January 30 and 31st. I must first explain that WRAY Television has been off the air some six and one half years. For the past seven years the March of Dimes has leased the facilities of WRAY and programmed this thirty hour telethon. Your letter written February 23 reached us only recently as it was addressed to the tv station. We are not familiar with radio and television nomenclature but we hope this letter will serve as the verification which you asked for." Old AIPA bulletins indicate that 5 dxers logged WRAY-tv during that 1960 opening. What all this boils down to is that a tv station which had operated on a regular basis for a very short time in the early 1950s was fired up for thirty hours once a year for at least six consecutive years after it had gone dark...specifically for the purpose of airing an annual telethon. This situation deserves more study. If you have any additional information, please pass it along. THE CASE IS NOT CLOSED!

NORTHERN FM-DX

GREG CONIGLIO
5100 GLENWOOD DRIVE
WILLIAMSVILLE, NY 14221

For DXers in: MA, NH, VT, CT, ME, RI, NY, PA, NJ, OH, MI, IN, IL, WI, MN, IA, NE, SD, ND, MT, WY, ID, WA, OR, AK, Canada

MARCH 1993 → **DEADLINE: The 5th** → **LOG CUTOFF: 2 months from postmark**

Some more reports of winter e-skip appear this month, especially the late night December 20th opening. And while many have considered recent meteor activity to be lackluster, there are reports of MS loggings in some reports. But what is the propagation mode that seems to have led to the most new loggings for DXers this off-season: new locals! I would like to take this time to thank the two outgoing editors, Bruce Elving, and Bill Nienajadi, for their service to the WTFDA. Your sacrifices are very much appreciated....Have you had DX recently? If so, why not let us all know, report to the VUDI....

FRED NORDQUIST - 7945 BOXFORD RD - CLAY, NEW YORK 13041-8606 (ELT)

Equipment: Receiver-Carver TX-11a modified with five (TOKO) 110 IF filters. Antenna two-CM Stereo Probe 9's on separate masts at 30' and 35' AGL, CAC-11, 75 ohm coax feedlines (cut 1/2 wavelength difference at 100 MHz), tuneable phase box (3-variable capacitoseres), direcS variable attenuator for antenna matching/phasing, and home brew tuneable bandpass filter. Underlined new to log. distances in parentheses.

NOVEMBER 1992 DX

9 GW

2110 **WTWK** 99.5 NY Bridgeport, k, TK99
24 hours, new to the air 8

9 Tr
2137 **CJBC** 90.3 ON Toronto, FFC, cl 167

5 Tr
1200 ?? 102.7 NY Webster // WNYR 98.5, never
gave calls (I have seen WLMF, and WNUL, and
also WDCZ as calls for this station?!-gc) 65

19 GW

0930 **WCYI** 88.9 NY Canandaigua, g, Family
Life Radio, testing 66

FM 106.7

- AM 680

KKYX

401 Datapoint Drive, Suite 900 • San Antonio, Texas 78229

(817) 415-1075

21 Es to IA/SD 0013-0053 MUF 101.9

Also Es to FL/MS 1045-1147 with MUF 94.1

0003 **KDCR** 88.5 SD Sioux City, g, USA
network news and sign off amct 1027

0013 **KWYR** 93.7 SD Winner, local ads 1194

0016 **KGEF** 92.7 SD Pierre, r, KG93 1212

1055 **WTJT** 90.1 FL Crestview, g, ID 1031

1114 **WQID** 93.7 MS Biloxi, GulfCoast 94
FM and ID heard 1128

26 Tr

0108 **WCOU** 88.3 NY Warsaw, g, Family
Life Radio Network 105

27 Tr

2051 **WCOT** 90.9 NY Jamestown, g, Family
Life Radio, testing 173

28 Tr

0700 **WMCE** 88.5 PA Erie, weak ID heard w/
WCII mulled, WRUR rarely heard here 211

Totals: 1615. Thanks to Bill Nollman tip, I've defeated the mute feature with a mod to the TX-11a. New locals continue to go on the air in central/western NY. Unusual Es heard after midnight on 12/21 and then later on at 1100. Sorry to see Bruce Elving's most excellent FM News column go into retirement. Many thanks to his untold hours of dedicated research and editing over the last 20 years! 73-Fred.

dBURCE HALL - 5 STIRTON AVE - BRANTFORD, ONTARIO CANADA N3T 1E2

Equipment: JVC JR-S201 receiver with 3 110 khz filters. Sleuth 205 amp, Probe 9 fed with RG6 at 50' AGL. Crown rotor. Distances are in kilometres

DECEMBER 1992 DX

30 MS

0800 **WYFL** 92.5 NC Henderson, g, religious
music followed by ID. 771

JANUARY 1993 DX

4 GW-Tr

2300 **WCOT** 90.9 NY Jamestown, g, Family
Life "Providing encouragement in your daily walk,
we are WCOT in Jamestown" // WCYI 88.9 142

Jan. 4th GW-Tr continued

2301 **WCYI** 88.9 NY Canandaigua, g, Family Life

"We are currently testing WCYI in Canandaigua
at 88 point 9" // WCOT 90.9 245

14 GW

1028 **CKMS** 100.3 ON Waterloo, pc, local sx (I hope
you mean sports!-gc) & modern rock music by Japan
Finally got it over local CKRZ Oshweken. 44

Well it's the Sunday before the Super Bowl and if it weren't for Buffalo radio, I'd have a bad case of football withdrawl. My Jays did it, so now it's your turn Greg for your Bills! (Well one out of the two ain't bad-gc). Speaking of withdrawl, bad case of DX blahs going on too! Locally, CKRZ 100.3 Oshweken who always pronounces thier calls as "zee" have started to use the Canadian "zed". Apparently new station manager held a poll for zee or zed and zed won. So everybody's askin': What's the name of this new country station, the one Rawlco's draggin' their feet on? Well, could their top secret unld be - ahem, big deep voice here - "The New 92 FM, Toronto?" No sign on date yet (Well Murphy's Law strikes again! They signed on by surprise Mon Jan 26th, the day after you mailed the letter?! 92.5 Kiss FM is the nonID, look for the logo in this column somewhere. Looks like Bill Clinton's choice of music if the inauguration is an indicator includes Michael Bolton, Barry Manilow, & Babs Streisand. If this inauguration was a radio station, would it be "Clinton Lite" or "Mix 93". Just some random thoughts, no offense intended, but all I could get on TV was Billy, Hillary, Chelsea, and Socks. No DX. No football & as you can see no FM DX either. Can't wait for the spring trips. 73 dB

STATION NEWS: WSEA 105.1 Panama City Beach, Florida, is on the air, and is called "The Country Cat". KHHT-FM in Minot, North Dakota (97.1) switches to country, and KYYX-FM. In suburban Madison, Wisc., WMMM 105.5 Verona has moved into a modern rock format. In Florida's panhandle, WGWD Grena switches frequency: to 93.3 from 100.7. A format change also is involved: to satellite adult contemporary. Up to New England now- 96.3 WNTX is now WRZE and "The Rose", a female oriented top 40 format, a sort of adult CHR. Another top 40 bites the dust: WQXA 105.7 York cools off from "Hot 105.7" to "Q106" and automated A/C. WHSC 98.5 in Hartsfield, S.C. is on the air now so look for that one. KQLH 92.7 Riverside, Calif. is now KCKZ, and country music. In the Ohio Valley, WOMP-FM has been purchased by WRKY 103.5 Steubenville, OH (Rocky 103). Thus, WRKY's top 40 format can now also be found on 100.5, except for AM drive. WLYU Lyons, Georgia (Vidalia) has moved frequency to 100.9. They play country music. WQVE 105.5 Camilla's studio burned in a fire. They hope to be back on sometime in February. WJQZ 93.5 Wellsville, NY seems to be monophonic now; this has gone on for some time so I doubt it is technical problems. A brand new FM station in Toronto that has been the subject of much speculation has finally come on the air. During the last week of January, CISS 92.5, "92.5 Kiss FM" debuted. They play country music and stress new hit country. Although they are not as strong as the other Toronto FMs, nevertheless they do get out quite well, so keep an ear out for them. I have heard stories of people not too far west of Rochester complaining about interference to that city's WBEE. Another top 40 station is no more: WHTK 99.7 Port Royal, SC (Hilton Head/Savannah), widely heard on meteor scatter, has gone country, and "K 99.7". St. Augustine, Fla.'s 97.3 has moved to 97.9 and is "The New Star 97.9". I do not know if a call change is involved. Another station jumps on the country bandwagon, as the widely heard WQLM 92.9 Punta Gorda goes to that format as "Kix 92.9 Country". Out west, 107.5 Hanford/Fresno is now KMHP, and a news/talk format. Also out west, but in Colorado, KDHT 92.5 Greeley is now KZDG "The Big Dog 92.5", and hot country. 99.5 Grifton (New Bern), North Carolina is now WTND, and country music. WMGL 101.7 Ravenel, South Carolina is back on after a lengthy silence, with an urban adult contemporary format. KTEZ 101.1 in Lubbock, TX is now KONE-FM, and Unistar Hot Country. KLUB 106.9 Bloomington-Victoria, TX is now on the air with Spanish language, Tejano music. 105.9 Rochester, NY is on the air, with calls WJZR I believe, format: jazz/new age, slogan: "North Coast 105.9". In Phoenix, KCON becomes KEDJ "The Edge" and modern rock. WBSB 104.3 Baltimore changes calls to WVRT, but retains its adult CHR "Variety 104.3" slogan. Two MORE top 40 stations are gone, as WDAY-FM 93.7 Fargo, ND and KFXD-FM in Boise, both go to a/c. But the top 40 format gains two new stations, as WHSY 104.5 Hattiesburg, Miss., and KLCCX 104.7 Florence, Ore. both change to that format. WRBQ 104.7 in the Tampa area moves in more of an adult CHR direction. In Washington State, KISM 92.9 Bellingham switches to a rock-a/c format. Well, 104.7 Pittsburgh has changed AGAIN. Since April 1989 they have been WYDD, WNRJ, WEZE, WORD, and now WXRБ "Rebel", and what else: country. 106.7 in Terrell Hills, TX (San Antonio) is now KDIL "The Armadillo" and hit country. In that same metro, KSRR 92.9 has switched to Tejano music. 94.9 in Oshawa, Ontario has changed format to an upbeat adult contemporary music, with a good variety: now "94.9 The Edge". I do not know if they have changed calls, or if they are still CKQT. WGCT 105.1 Ellettsville (Bloomington), Indiana is on the, with country music. In other Indiana news: on the air- 94.1 WGL (ex 105.1) Roanoke (Ft. Wayne), with a talk format in mono, WYEZ 96.9 Bremen, with a soft rock format parallel to WMRI 106.9 and WEVZ 95.3, and also on testing is WLZQ 101.1 South Whitley-Warsaw, with "all of today's best hits without the hard rock and rap" and "Q101". 107.1 in Ann Arbor is now satellite oldies. In suburban Chicago, WYSY 107.9 Aurora has moved their tower closer to Chicago for a better signal there. They are an upbeat adult contemporary music, but during the evening, after 7 p.m., they run a show called "Rock of Chicago", which features metal and alternative rock! Is suburban Toledo, WYSZ 89.3 Maumee is on the air. The are religion, and have a slogan of "Yes-FM". More news from the Pittsburgh area: WORD-FM, vacated from 104.7 when that station became WXRБ "The Country Rebel", has resurfaced down the dial at 101.5, taking over WPIT-FM. Still religious. And WDCZ 102.7 in Webster/Rochester, N.Y. is finally on the air, also with a religious format. They do not seem to be simulcasting WDCX 99.5 Buffalo, as some had speculated. Thanks to Matt Sittel, Dave Nieman, George Greene, Ralph Strobel, Bill Nollman, Bruce Hall, Bob Smolarek, and Paul Mount for station update items that have appeared here.

TORONTO'S GOT A BRAND NEW FM STATION!

The hottest music of
the 90's is on the new
92.5 CISS FM today!

Discover the very best New Country music
on Toronto's newest FM radio station!

92.5 CISS FM
TORONTO'S ONLY COUNTRY FM

CISS

DAVE NIEMAN-12284 NICE ROAD-AKRON, NEW YORK 14001-9529

Equipment: Carver TX-11a tuner, Channel Master Stereo Probe 9 at 36 feet AGL on crankup tower, 826 feet ASL. Alliance HD-73 rotor and RG-11 coax.
New loggings are underlined. New call (KKKK). New propagation mode WWW.

JANUARY 1993 DX

3 Meteorscatter

1001 WJPD 92.3 MI Ishpeming/Marquette,
ID, S, prev. tropo 510

22 Meteorscatter

1310 KLLZ 99.1 MN Walker, call + "Minne-
sota's Power Loon", S
see note #1 834

1438 KMAS 99.1 AR Fort Smith, 1cl & area
ads, S, prev. E-skip 999

23 tropo

1612 (WTKB) 100.7 PA New Kensington,
"new country-K-Bear", kS
ex. WMXP, over semi-local
CHIN Toronto 178

NOTE:

(1) ...LLZ..Minnesota's Power Loon...



Well the new 92.5 Toronto, Ontario is in programming now. They are CISS or kiss FM with a country music format in stereo 24 hours a day. Even though they (CISS) are 64 miles away, they still take up two thirds of my antenna rotation with the remaining third to Rochester's WBEE at 49 miles. CISS must be infringing on WBEE's coverage area to the west along the south shore of Lake Ontario. In any case; the nulls I once had for WBEE are gone. Dave

DAVE NIEMAN-HO STA GEH, ROAD-ROCK CITY, NEW YORK

Equipment: Carver TX-11 tuner IF filter modified. Antennacraft FM-10 at 25 feet AGL, 2415 feet ASL, RG-6 coax and Radio Shack rotor.
New loggings are underlined. New call (KKKK). New propagation mode WWW.

Only been down to the mountain DX site two days in January; the weekends have been bad! The Cobra scanner is all I took both times down. Did some tuning of TV audios channels 14 thru 20 with fare results. Antennacraft P-7 (7 foot dish) indoors and DX Tele Labs EU-4S preamp were used. I was able to tune the (+), (-) & (Zero) offsets and hear the audios of channels 18 Elmira NY (+) at 85 miles, Peterborough ON (-) at 158 miles and Norwood NY (Zero) at 257 miles. I should have better results with my TV when I mount the UHF antenna outdoors in the spring. Dave

MICHAEL HAWK (NOOSY) - 10212 P ST OMAHA, NE 68127-2130

Equipment: Kenwood RT-815 IF mod; Antennacraft FM-10 up 30'; variable attenuator and rabbit ears for primitive phasing

DECEMBER 1992 DX

5 MS

0635 WAMZ 97.5 KY Louisville 584

0645 WQOK 97.5 VA S. Boston 973

7 MS

0800 KHTY 97.5 CA Santa Barbara 1374

12 MS

2351 WAMZ 97.5 KY Louisville, 20 sec burst

13 MS

0929 WEGW 107.5 WV Wheeling, The Eagle 808

0941 WKZZ 107.5 NC Winston-Salem 923

1010 WZZO 107.5 IN Terre Haute 471

2325 WFBC 93.7 SC Greenville, B-93.7 FM 864

14 MS

0908 WPCV 97.5 FL Winter Haven, ad for 1222

the Lakeland Civic Center

19 ES (2033-2055, MUF 96.3)

2035 KLYT 88.3 NM Albuquerque, K-Light, 716

college basketball game

2039 KHFM 96.3 NM Albuquerque, c 716

It was nice to get a little Es this December. I got in on what appeared to be the tail end of a good opening on 12/19. By the way, the comet Swift-Tuttle was recently spotted. This is the comet which spawns the Perseids meteor shower in August. Past records show that during years that a comet passes near earth, the meteor shower it produces is much better than normal. This would explain the fairly strong ZHR's of the last few Perseids, and could mean this year's will be great. I held off sending this DX to Greg last month, hoping for some loggings from the Quadratsids, but I didn't get any! Last year I had 7, but this year's shower was terrible. Also, I've built one of those super-duper IF filters described by Tim McVey, but have yet to install it. I'll let you know how it works out. Total logged now on FM is 796. 73

ERNEST COOPER - 5 ANTHONY ST - PROVINCETOWN, MASSACHUSETTS 02657

Equipment: Sears Stereo and McIntosh MR78.

JULY 1992 DX

22 Es

- 1243 **WMPR** 90.1 MS, g,
- 1249 **WMAB** 89.9 MS, Mississippi musicians on MS Concert Hall, tomorrow
- 1259 **WMAW** 88.1 MS, c, same progrm as above
- 27 Es
- 1039 **KOPN** 89.5 MO, fund raising
- 1055 **KANZ** 91.1 KS, Z-91, g
- 1106 **WHLA** 90.3 WI, end of NPR news
- 30 GW

- 0204 **WNHQ** 92.1 NH, r
- 0229 **WBOQ** 99.3 ME, c, W-Bach (same non ID as WBOQ 104.9 MA)
- 0306 **WPKM** 106.3 ME, c

AUGUST 1992 DX

4 GW

- 0223 **WKVT** 92.7 VT, r
- 0238 **WBLQ** 99.3 RI, many commercials
- 6 Es
- 1059 **WAFR** 88.3 MS, American Family Radio
- 1106 **WMAE** 89.5 MS, c, Concert Hall Show
- 11 GW

WHFM 95.3 NY, relaying WBAB 102.3

11 MS

WLSU 89.5 NY, ID, calls only, and "share some of their ambivalence"

SEPTEMBER 1992 DX

11 GW

- 0206 **WVPR** 89.5 VT, c, I now have all 3 VT Public Radio stations, Music thru the night
- 0227 **WTSA** 96.7 VT, commercials and talk
- 2023 **WZEA** 102.1 NH, Seacoast 102
- 17 Tr
- 2227 **WGMD** 92.7 DE, many commerals with mention of Salisbury and Ocean City
- 0253 **WRCY** 107.7 VA, "Washington's Rockin' Country Thunder 107.7"
- 0853 **WHVY** 103.1 MD, r, ment Baltimore
- 25 Tr
- 1445 **WZZO** 95.1 PA, r, calls heard, brief bit of rock, then gone to WRKI-CT

Sept. 26 GW

1551 **WTHI** 107.5 ME, o, IDs as Lewiston, Auburn Portland, local WFCC off all day!

OCTOBER 1992 DX

15 GW

1237 **WRCI** 107.7 NH, r, many commercials

NOVEMBER 1992 DX

3 Tr

2050 **WXTU** 92.5 PA, k, mention of mentally ill people (of which they are one- they never answer reports!)

2100 **WRTI** 90.1 PA, calls only

2132 **WFLN** 95.7 PA, c

4 Tr

1300 **WBWM** 106.5 CT, Mix 106.5, Does anyone have an address for this one?

1318 **WSNJ** 107.7 NJ, t

1322 **WGNA** 107.7 NY, k

13 Tr 1041 **WCOS**

97.9 ME, r, The New Ocean 98

DECEMBER 1992 DX

11 Es

1024 **WCAZ** 92.1 IL, Z 92.1 FM, o

20 Es

1555 **WISS** 102.3 WI, Christmas carols, slopped over onto local WCRB 102.5 on kitchen radio whilst listening to the Metropolitan Opera! So, quickly to the McIntosh for good logging!

1606 **WHITL** 102.3 WI, in/out w/ WISS, k

Both have verified

1621 **WKIT** 103.1 WI, Oldies & and Christmas music alternating

26 Tr

1417 **WFNX** 101.7, "Serving the Lesbian And Gay Community" (Mon nights 2200-0100)

JANUARY 1993 DX

12 GW

WRZE 96.3 MA, Cape Cod's newest station, replacing Nantucket's WNTX, r, "The Rose" (as if we need another one!)

The second of two December windstorms blew the lead-in off of my 9-element antenna. It has now been re-attached, at a cost of \$491! This column is always very interesting! Keep it up, Greg! (Thank you!-gc) One never knows when E-skip is going to kick in, viz. two December openings into WI and IL

BOB SMOLAREK - 31 MARK DRIVE - HIGH BRIDGE, NEW JERSEY 08829-1605

Equipment: McIntosh MR-78, Channel Master Stereo Probe 9, elevation 580 feet, facing west

DECEMBER 1992 DX

11 GW

- 1700 **WRNJ** 107.1 NJ Belvidere, k, brand new local not too strong, satellite delivered, All New Country 107
- 20 Es!
- 2302 **KNTU** 88.1 TX Denton, blues program
- 2316 **CITI** 92.1 MB Winnipeg, r, new province!
- 2319 **KQDS** 94.9 MN Duluth, rp
- 2330 **CBEF** 89.7 ON Manitowadge, CBC program
- 21 Es + Tr
- 0023 **WDAY** 93.7 ND Fargo, r
- 0057 **WGRC** 91.3 PA Lewisburg, g, WTSR and WLVR both off the air!
- 2200 **WOHS** 90.5 MD Worton, m k, WCVH off

JANUARY 1993 DX

9 Tr

- 0008 **WGLL** 92.3 PA Riverside, k, WXRK off
- 0025 **WFLY** 92.3 NY Troy, r, WXRK off
- 0037 **CFMR** 96.3 ON Kingston, k, WQXR off
- 0052 **WLZW** 98.7 NY Utica, lame mx, WRKS off
- 11 GW
- 2200 **WFMB** 107.9 PA Tobyhanna, rp, brand new station, live album rock, strong signal here for the distance.



RALPH STROBEL - 106 E. DAVIDSON STREET - MUNCIE, INDIANA 47303

Equipment: McIntosh MR-78 FM Tuner with two CM Stereo Probe 9 antennas and rotors at 38 and 36 feet above ground separated at 23 feet, with use of Bolin phase box.

*Denotes use of phase box.

November 1992 (EST)

17 MS
 1482 18 tr
 2000 WGCT 105.1 IN Ellettsville-
 (first day on air) Bloomington, k\$
 22 MS
 1040 23 MS
 1040 25 MS
 606 27 GW
 64 2350 WLQZ 101.1 IN South Whitley-
 (testing in mono) Warsaw, rm\$, "Q-101"
 December 1992
 1 MS
 987 0202 KDPR 89.9 ND Dickinson, s/off,
 Previous Es
 6 tr
 108 0200 WBCY 89.5 OH Archbold, g\$
 (//WBCL 90.3 IN Fort Wayne)
 8 tr
 135 0654 WISZ 89.3 OH Maumee-Toledo, gr\$
 "Yes-FM"
 11 MS
 552 0241 WNOR 98.7 VA Norfolk

January 1993

3 MS
 397 1482 18 tr
 503 2000 WGCT 105.1 IN Ellettsville-
 (first day on air) Bloomington, k\$
 22 MS
 1040 23 MS
 1040 25 MS
 606 27 GW
 64 2350 WLQZ 101.1 IN South Whitley-
 (testing in mono) Warsaw, rm\$, "Q-101"
 December 1992
 1 MS
 987 0202 KDPR 89.9 ND Dickinson, s/off,
 Previous Es
 6 tr
 108 0200 WBCY 89.5 OH Archbold, g\$
 (//WBCL 90.3 IN Fort Wayne)
 8 tr
 135 0654 WISZ 89.3 OH Maumee-Toledo, gr\$
 "Yes-FM"
 11 MS
 552 0241 WNOR 98.7 VA Norfolk

Meteor Scatter Results:

N 17 KCKK "...KCK. Thanks for stayin' up
 here for the all night coffee hour.
 Alright..."
 N 22 KOSI "...Denver's Cozy-101 playing
 Denver's best mix of today's hits and
 yesterday's favorites..."
 N 23 KOSI "...easy favorites
 on Cozy-101..."
 N 25 KLQL "...The forecast for
 Luverne and..."
 KLQL "...101-KLQL is
 proud to be..."
 D 1 KDPR "...the close of another broad-
 cast day. I'm Brian Delta from all the
 staff and management of Prairie Public

Radio. Thanks for listening..."
 D 11 WNOR "...or have a musician on
 your holiday gift list? Then A 'n E
 Music in Virginia Beach is your source
 for the best in guitars, basses, drums,
 amps..."
 J 3 WTLR "...WTLR State College..."
 WMAE "...This is PRM.
 Two minutes after..."
 J 4 WKRY "...on Key West's
 Key 93.5-FM..."
 J 22 WRGI "...If you're out on Marco
 Island, K ? will have those ever so
 popular..."
 F 1 KKRP "...This is 93.5 FM KKRP..."

On November 27 when WLQZ was testing, a tape loop was played with sounds of car-
 penters pounding, sawing, etc. After about two minutes the following announcement
 was aired: "This is WLQZ South Whitley-Warsaw. We're building a brand new radio
 station. Soon, right here at 101.1 FM, you'll hear all of today's best hits with-
 out the hard rock and rap." SID: The new "Q-101." On January 7 WUTC 88.1 Chatta-
 nooga, TN was picking up WCLK 91.9 Atlanta, GA rather than 91.9 WUOT Knoxville,
 TN. Thought I had something new at first, but not so. WWTN 99.7 Manchester-Nash-
 ville, TN finally heard. I had WWTN perfectly last September, but at 0500 no ID
 was given on the hour. To hear WWTN I have to phase out Louisville, KY, Frankfort,
 IN, and Columbus, OH, so was lucky to hear it at all. Guess I missed the December
 19 E-skip. Roger Winsor called from Valparaiso on January 10 to inform me that
 WYEZ 96.9 Bremen, IN was on the air testing. WYEZ was heard quite well, but often
 WLAV 96.9 Grand Rapids, MI destroys WYEZ.

Here's a rundown of my best frequencies with 30 or more stations: 88.1 - 53
 88.3 - 41 89.5 - 41 96.9 - 40 91.1 - 38 91.5 - 37 101.1 - 34 88.5 - 33 89.3 - 33
 92.7 - 33 95.3 - 32 92.1 - 31. In 1992, 80 new stations were logged. Without my
 phase box, only 31 stations would have been heard. More than 61% of these new
 loggings were due to phasing. How I wish everyone could have a Bolin phaser!

SOUTHERN · FM DX

Danny Buntin
1312 N. Skyline
Stillwater, OK 74075

MARCH 1993

DEADLINE: 14th

SOUTHERN FM DX is for reporters from: AR, AR, AZ, CA, CO, DE, DE, FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NV, OK, SC, TN, TX, UT & WV. Happy DXing in '93!

SOME TROP HIGHLIGHTS A SO FAR YOUNG AND SUBDUED '93. ES STILL SILENT.

Keith D. Pugh, 227 Martin St., New Hope, AL 35760

Equipt.: McIntosh MR-78, Probe 9

8/31 tr

0113 KOLL 94.9 AR Maumelle r, "Cool 95"

1049 WHKX 99.9 FL Lafayette, lcl. ref.

1100 WGLF 104.1 FL Tallahassee, ID

1159 WYNE 106.1 AL Hartselle, r, Win 106, \$

1202 WUSM 88.5 MS Hattiesburg, ID

9/29 tr

1035 KTCS 99.9 AR Ft. Smith

1050 KURB 98.5 AR Little Rock

1055 KHLT 94.5 AR Little Rock, "K-lite 94"

10/2 gw (new local)

1522 WAZK 92.5 AL Trinity, op, "92.5 Rock", \$

10/18 tr (ex 102.3)

1500 WUCZ 104.1 TN Carthage, k, "Z-104.1"

10/22 tr

1124 KHLT 94.1 AR Little Rock

1126 KSSN 95.7 AR Little Rock

gw (new local)

1210 WRHY 105.9 AL Centre, r, "Y106", \$

11/10 gw (new lcl.)

1500 W289?? 105.7 AL Huntsville,

WKDF 103.3 Nashville xltr

11/25 tr

2134 WWCZ 97.1 AL Millbrook, k, CZ97, \$

11/26 tr

2243 WISK 98.7 GA Americus, k, ID

12/5 trs

1129 WVSU 91.1 AL Birmingham, ID

12/6 trs (local WRSa off)

1221 WIDR 96.9 NC Statesville, ID

1224 WCOZ 96.9 KY Paris, "Kiss 96.9"

1230 WXBQ 96.9 TN Bristol

1232 WKLT 96.9 MS Indianola

1235 WDDJ 96.9 KY Paducah, ads

1241 WKQL 96.9 FL Jacksonville

12/7 tr-gw

1727 WFTZ 101.5 TN Manchester, "Fantasy 101.5"

12/11 tr

1521 WACQ 99.9 AL Tuskegee, r, ID, \$

1522 WHKX 99.9 FL Lafayette, Kix Country"

1624 WIKY 104.1 IN Evansville, wx, ID

2300 WMOX 93.1 NC Winston-Salem, ID

12/12 tr

1600 WMTX 99.9 KY Vancleve, g, ID

1642 WLQT 99.9 ?? "Lite 100"

1650 WVAF 99.9 WV Charleston, ID

me

2125 KGLS 93.1 KS Pratt, prev., Es

12/13 tr

1832 WEEN 102.7 OH Cincinnati, ID

2241 WLLK 102.3 KY Somerset, ID

me

2310 WDOR 93.9 WI Sturgeon Bay, prev. Es

2312 WDOR 93.9 again

2325 WTHI 99.9 IN Terre Haute, prev. tr

12/14 ms

to next column...

12/14 ms

00?? KMK 93.9 SD Rapid City, prev. Es

12/16 ms

0005 KIMO 98.9 MO Kennett, prev. tr

01?? WAKX 98.9 MN Duluth, prev. Es

01?? WSIP 98.9 KY Paintsville, prev. tr

01?? WUSL 98.9 PA Philadelphia, "Power 99"

tr

1637 WKIR 94.9 MS Columbus, k, \$

1701 WOLJ 93.7 MS Oxford, r, Q93, ex 107.1

12/17 tr

1135 WXCZ 98.9 IN Salem, nx

ms

1349 WEZN 99.9 CT Bridgeport, prev. Es

12/19 tr

1336 WMEZ 94.1 FL Pensacola, (rare)

Es

1358 XHAAA 93.1 TA Raynosa

1445 unID 88.5 FF, Canada

12/21 tr

0059 WGPB 91.5 GA Vidalia, group IDs

Es

0946 WNTQ 93.1 NY Syracuse, "93Q"

0958 WHJY 94.1 RI Providence, "94 HJY"

1001 WFUV 90.7 NY New York, ID

1004 WBGD 88.3 NJ Newark

12/23 tr

2000 KQID 93.1 LA Alexandria

2045 WQST 92.5 MS Forest, over local WAZK

2131 WODZ 94.1 TN Germantown, ex 94.3

12/30 tr

2215 W??? 104.9 GA Tifton?, k, GA ads

1/6 tr

2123 WHER 103.7 MS Hattiesburg, Eagle 103

2142 WDNT 104.9 TN Dayton, k

2146 KEZK 102.5 MO St. Louis

2331 KSPQ 93.9 MO West Plains

1/7 tr

1039 KGMO 100.7 MO Cape Girardeau

1045 KZNN 105.3 MO Rolla, ID

1104 KTJJ 98.5 MO Farmingham, "J98"

1137 WXAN 103.9 IL Ava

1145 WJIE 88.5 KY Okolona

1200 KTXR 101.3 MO Springfield, ID

1201 KDHX 88.1 MO St. Louis

1207 WKNQ 90.7 TN Dyersburg,

// ID w/WKNO-WKNP, \$

1215 KPTH 107.1 AR Marion, s, The Touch

1241 KSHE 94.7 MO Crestwood

1249 KKTZ 107.5 AR Mtn. Home

1345 KWRW 95.7 MO Mexico

1401 KFAV 99.9 MO Warrenton, ID

MORE DX REPORTS CONTINUE.....

Danny Buntin, 1312 N. Skyline, Stillwater, OK 74075					
1/22 tr			1/22 tr		
1009	<u>KEOM</u>	88.5 TX Mesquite, ID 250	1016	<u>KDXE</u>	95.9 TX Sulphur Springs, calls w
1011	<u>KALK</u>	97.7 TX Winfield, ad 225	1023	<u>KMTB</u>	95.3 AR Murfreesboro ad "B-95",k
1014	<u>KTKX</u>	103.5 TX New Boston, calls, k 250	1020	<u>KLYR</u>	92.7 AR Clarksville, calls
			1037	<u>KBYA</u>	106.5 AR Belle Vista, wx, calls,m

On the evening of 1/21 fog was forecasted for the next morning and the resulted opening while modest was at least good for a few new loggings. And the opening just happened to coincide with my day off from work. I'm just able to be an evening DXer, usually.

Matt Sittel, 603 Fulton Rd., Apt. B-24, Tallahassee, FL 32312 (904)386-2212

Equipment: Yamaha TX-900U tuner with modified filters, Archer rabbit ears.

11/17/92 tr			12/5 tr		
0735 <u>WBUB</u>	107.5 SC St. George, Bubba	287	0010 <u>WLVE</u>	93.9 FL Miami Beach,Love94	412
0823 <u>WJCL</u>	96.5 GA Savannah	219	12/7 tr		
0826 <u>WLGJ</u>	90.9 SC Hemingway	363	2157 <u>WZZK</u>	104.7 AL Birmingham	256
1911 <u>WAYS</u>	99.1 GA Macon, 99 Ways	167	2159 <u>WQSB</u>	105.1 AL Albertville, ID	284
1914 <u>WKCN</u>	99.3 GA Lumpkin, Kissin99.3	115	2203 <u>WABE</u>	90.1 GA Atlanta, ID	226
1959 <u>WMAH</u>	90.3 MS Biloxi	273	12/8 tr		
11/18 tr			0822 <u>KCIL</u>	107.5 LA Houma, C107, k	389
0740 <u>WZEW</u>	92.1 AL Fairhope, 92 Zoo	214	0837 <u>KQID</u>	93.1 LA Alexandria	487
0742 <u>WCHY</u>	94.1 GA Savannah, calls	219	0839 <u>KQOK</u>	106.5 TX Galveston	634
0746 <u>WVMG</u>	96.7 GA Cochran, calls	143	0849 <u>WRKF</u>	89.3 LA Baton Rouge, calls	410
0747 <u>WKKR</u>	97.7 AL Auburn, Kicker FM	162	0855 <u>WEZB</u>	97.1 LA New Orleans	349
0751 <u>WGSY</u>	100.1 AL Phenix City	144	0859 <u>KZFX</u>	107.5 TX Lake Jackson, Z1075	676
0755 <u>WZAT</u>	102.1 GA Savannah, Z102	219	0859 <u>KJOJ</u>	103.3 TX Freeport, ID	672
0757 <u>WZZK</u>	104.7 AL Birmingham, calls	256	0959 <u>WMBV</u>	91.9 AL Dixons Mills	233
11/23 tr			1321 <u>WOTC</u>	97.9 MS Wiggins, US98, k	288
0227 <u>WMXA</u>	96.7 AL Opelika, Mix 96, r	163	1326 <u>WCKW</u>	92.3 LA Laplace, calls	371
0359 <u>WPWB</u>	90.5 GA Byron, ID	153	1659 <u>WWNO</u>	89.9 LA New Orleans, calls	349
11/24 tr			1/6/93 tr		
0803 <u>WMNF</u>	88.5 FL Tampa	208	1846 <u>WTJT</u>	90.1 FL Crestview, localad	136
11/26 tr			1/13 tr		
2042 <u>WMKS</u>	92.3 GA Macon, Kissin92.3,k	167	1957 <u>WHTK</u>	99.7 SC Port Royal, calls	248
2050 <u>WDDM</u>	101.3 SC Sumter, Big DM	337	2001 <u>WJXR</u>	92.1 FL Macclenny, TheShark	131
2056 <u>WAJY</u>	102.7 SC New Ellenton, Joy	252	1/14 tr		
2057 <u>WKKZ</u>	92.7 GA Dublin, local ad	164	0615 <u>KQXL</u>	106.5 LA New Roads, Q106	425
2058 <u>WCOS</u>	97.5 SC Columbia, calls	308	0619 <u>WOTC</u>	97.9 MS Wiggins, US98	288
2107 <u>WBBO</u>	104.3 GA Augusta, Q104	249	0620 <u>WEZB</u>	97.1 LA New Orleans, B97	349
2108 <u>WDGC</u>	105.1 NC Durham, G105	492	0625 <u>WVOH</u>	93.5 GA Hazlehurst, calls	139
2128 <u>WNOK</u>	104.7 SC Columbia, calls	308	0628 <u>WRKF</u>	89.3 LA Baton Rouge, ID	410
2159 <u>WYFK</u>	89.5 GA Columbus, ID	144	0629 <u>WMAH</u>	90.3 MS Biloxi, PRM ID	273
2159 <u>WLTR</u>	91.3 SC Columbia, ID	308	0636 <u>WNOE</u>	101.1 LA New Orleans	349
2252 <u>WKSY</u>	100.5 SC Marion, calls, k	384	0640 <u>WSSL</u>	100.5 SC Grey Court	301
2252 <u>WSSL</u>	100.5 SC Grey Court, Whistle	301	0754 <u>WLTS</u>	105.3 LA Slidell, Lite 105	327
2254 <u>WJCL</u>	96.5 GA Savannah, ID	219	0800 <u>WSEA</u>	105.1 FL Panama City Beach, k	89
2259 <u>WRJA</u>	88.1 SC Sumter, ID	337	0810 <u>WQCK</u>	92.7 LA Clinton, Q92.7 FM	400
11/27 tr			0817 <u>KQID</u>	93.1 LA Alexandria, 93QID	487
0459 <u>WRAF</u>	90.9 GA Toccoa Falls, ID	291	0818 <u>WASZ</u>	95.3 AL Ashland	212
0503 <u>WFBC</u>	93.7 SC Greenville	322	0833 <u>WMXZ</u>	95.7 LA New Orleans, Mix	349
0854 <u>WQID</u>	93.7 MS Biloxi	273	0836 <u>WJCL</u>	96.5 GA Savannah, Kicks96½	219
0855 <u>WCHY</u>	94.1 GA Savannah	219	0843 <u>KCIL</u>	107.5 LA Houma, C107, kS	389
0859 <u>WLOW</u>	106.9 SC Bluffton	236	1429 <u>WCKW</u>	92.3 LA Laplace, calls	371
12/4 tr			1812 <u>WDLT</u>	98.3 AL Chickasaw, 98Light	226
2059 <u>WSFL</u>	106.5 NC New Bern, area ment.	529	2159 <u>WPIO</u>	89.3 FL Titusville, ID	246
2100 <u>WTEB</u>	89.3 NC New Bern, ID	529	2208 <u>WKJN</u>	103.3 LA Hammond, Cajun103	367
2103 <u>WHLZ</u>	92.5 SC Manning, area ment.	326	1/18 GW		
2201 <u>WYKS</u>	105.5 FL Gainesville, ID	130	1838 <u>WGWD</u>	93.3 FL Gretna, from 100.7	26
2209 <u>WGO</u>	95.5 FL Silver Springs	161	1/23 tr		
2223 <u>WRMF</u>	97.9 FL Palm Beach, calls	368	0237 <u>WALX</u>	100.9 AL Selma	209
2225 <u>WHTK</u>	97.9 SC Port Royal, calls	248	0259 <u>WYFB</u>	90.5 FL Gainesville, ID	130
2300 <u>WLRN</u>	91.3 FL Miami, ID	411	0958 <u>WJCL</u>	96.5 GA Savannah, Kicks96½	219
2352 <u>KA2XXZ</u>	107.9 FL Columbia, Disney	184	0959 <u>WBHM</u>	90.3 AL Birmingham	256
2357 <u>WGUL</u>	105.5 FL New Port Richey	100	0959 <u>WLYU</u>	100.9 GA Lyons, ID, k	167
2359 <u>WTMI</u>	93.1 FL Miami, ID	411	Log total	is now up to 301. 73's Matt.	



VHF/UHF UTILITY DX



WEATHER — AIR — MARINE — PSB

BILL HEPBURN - 35 LOCKWOOD RD - BRAMPTON ON - L6Y 4T7

Hello once again! In this column we'll take a look at new "broadcast" stations on the air, some loggings from the East & West Coasts and an abbreviated bandplan for the UHF Low-Band. So without further ado..

WEATHER RADIO

NEW STATIONS

VAT-404 162.475 ON MONTREAL RIVER (EE/FF // XMJ-373
162.40 Sault Ste Marie)
XLR-420 162.55 PQ MÉGANTIC (FF // XLR-412 162.475 Sherbrooke)
VAF-367 162.475 PQ MONI-TREMBLANT (FF, Mirabel studio)

CHANGES

..... 162.40 ON SUDBURY (CP, ex-162.55)
VOR-668 162.40 PQ ÎLES-DE-LA-MADELEINE (note correct call)

AERONAUTICAL .. all AM mode

NEW STATIONS

COF 1184.0 FL COCOA - TACAN
CYAM 124.95 ON SAULT STE MARIE - ATIS

CHANGES

KVIS 119.925 CA VISALIA - AWOS (ex-133.875)
KPQE 134.85 LA FORT POLK - ATIS (ex-108.4)
KESC 126.475 MI ESCANABA - AWOS (ex-128.575)
GQO 115.8 TN CHATTANOOGA - VOR/HIWAS (ex-CHA)
GQO 1192.0 TN CHATTANOOGA - TACAN (ex-CHA)
UXU 116.4 TN KNOXVILLE - VOR/HIWAS (ex-TVS)
UXU 1198.0 TN KNOXVILLE - TACAN (ex-TVS)
KEAU 119.675 WI EAU CLAIRE - AWOS (ex-126.375)

DELETIONS

NZJ 284.2 CA SANTA ANA - UHF NDB (KNZJ ATIS on 284.2 remains on)
Knoxville Radio TN KNOXVILLE (now served by Nashville Radio)

ATIS = Airport Wx/Info
AWOS = Automated Airport Wx
HIWAS = Aviation Wx Advisory Bcst
TACAN = UHF Navigation Aid
UHF NDB = UHF Radiobeacon
VOR = UHF Navigation Aid

Thanks to Charles Gauthier of Brossard PQ for the update on the new PQ stations.

LOGGINGS .. distances in miles

Welcome to the following first-time reporters..

BRIAN WEBB - 3329 SILVER SPUR CT - THOUSAND OAKS CA - 91360-0041

Rcvr: Realistic PRO-2024 & PRO-2006

Ant: 30 MHz h-dipole & 35 MHz sloping dipole

Accessories: M-600 multimode demod (for CW IDs)

MFJ-752B active audio filter (for cleaning up CW IDs)

JANUARY 1993 (PST)

8 F2 0932 KBI-237	35.86	AL EIGHT MILE	IND Blossman Gas
11 F2 1155 KNKK-563	35.66	FL FT WALTON BEACH	1800 PAG
15 F2 1025 KMG-536	35.52	KY ASHLAND	2020 IND Ashland Coal&Oil
18 F2 1107 KQB-227	37.66	WV CHARLESTON	2070 UTE Appalachian Power
26 F2 1055	35.84	AL DOTHAN vcnty	1945 IND-MOBILE
		(WSM-257 Palmer Electric)	
1110 KQX-400	35.80	FL EATON PARK	IND Pavers

FEBRUARY 1993

7 F2 1222 unid	39.025	MEX (Southern ?)	POL
		(maritime security/law enforcement tfo)	

(Brian proves that some F2 skip is still possible on the downside of the solar cycle..great DX! P.S.-I took the liberty of calculating some of your distances, WH)

Brian also reports that on 92 DEC 15-1128 PST he managed reception of the Marisat-1 satellite (106°W) on 248.975 MHz NFM relaying "Mountain EOC" FORT DRUM NY & another station (whom, after Brian's attempted QSL, wanted to remain incognito). Antenna used was a homemade 10-element UHF quad aimed at the 105°W geosync slot. While technically line-of-sight & not truly "DX" - this was still an interesting catch!

Brian's main interests are DXing skip in the 30-76 MHz band & listening to military satellites in the 243-270 MHz band. He also edits a newsletter specifically dealing with 30-76 MHz. He sent me a sample copy of "UHF LOW BAND NOTES". If you would like a sample copy..write to Brian for details.

(Hope to see regular reports from you Brian!, welcome)

Although the following report is a little bit dated..it will give you an idea of some DX to be had in Maryland by well-known all-band DXer Hank Holbrook.. (welcome to the column Hank!)

HANK HOLBROOK - 407 ARUNDEL RD - FAIR HAVEN CLIFFS - DUNKIRK MD - 20754

Rcvr: Sony AIR-B Ant: ANI-B whip

JUNE 1990 (EDT)

17 TR 0821 NMY-12	156.8	CT WATERFORD	300 USCG New London
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AUGUST 1990

21 TR ---- WJQ-6998	156.8	NJ DEEPWATER Vcnty	89 SHIP Interstate Tran
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SEPTEMBER 1990

1 TR 0716 NMY-42	156.8	NY MORICHES	250 USCG
		(w/PAN PAN urgency call)	

OCTOBER 1990

7 TR 0926 NMY-15	156.8	CT NEW HAVEN	255 USCG Long Isld Sound
---- NMF-21	156.8	RI NEWPORT	340 USCG Woods Hole MA
		(my most distant UHF CG Stn heard!)	
		(switched to 157.1 but inaudible on that ch)	

DECEMBER 1990 (EST)

23 TR 0947 KESN	124.475	MD EASTON	32 AWOS
		(only 6.5 watts !)	

MAY 1991

11 TR 2238 EGIR	156.8	DE Delaware Bay	81 SHIP Butron (ESP)
		(39N 75-12W)	

AUGUST 1991 (EDT)

2 TR 0438 WJQ-6993	156.65	PA PHILADELP' vcnty	120 SHIP Corsair
		(one of my most distant ships!)	
16 TR 2010 WJDL	156.65	DE DE-Buoy DBJ vcnty	SHIP Overseas Joyce
17 TR 0850 WSN-6958	156.6	NJ CAPE MAY	90 SHIP Cape May
19 TR 0849 WXL-39	162.40	PA ALLENTOWN	141 NWR

SEPTEMBER 1991

10 TR 0508 WYQ-9771	156.65	NJ CAPE MAY vcnty	90 SHIP Barbara Pauline
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Hank is an avid listener of local UHF marine traffic in Chesapeake Bay and has QSLed 876 ships (as well as over 1000 planes) since 1946. (His impressive overall QSL total is approaching 15,000!) Included among these is a recent QSL from his first Chinese ship that was passing by his local area. (Hope to see some more DX reports from you in the near future Hank).

Both Brian & Hank convinced me to list loggings of mobiles contrary to the guidelines listed in the Oct 92 column. These were just guidelines. I will list logs of distant mobiles in cases where the associated base station was not heard..or "roaming" independant mobiles such as ships. Airplanes over 300 miles distant (i.e.-beyond line-of-sight) will also be listed.

USA UHF-LOW BAND ASSIGNMENTS / 30-50 MHz

This listing of low-band assignments is an abbreviated compilation -- and is by no means complete. It is intended as a general guide as to where to find stations during a skip opening. Canadian allocations are different and vary from province to province.

ITU ALLOCATION : 30.00-50.00 FIXED SERVICE
MOBILE SERVICE

ADDITIONAL ALLOCATIONS: 30.005-30.01 SPACE OPERATION
(Satellite Identification)
SPACE RESEARCH
37.50-38.25 RADIO ASTRONOMY
39.986-40.02 SPACE RESEARCH
40.68 ISM Equipment
(Industrial-Scientific-Medical)
40.98-41.015 SPACE RESEARCH

30.01-30.55	US GOVT/MIL	40.01-41.99	US GOVT/MIL
30.58-31.14	INDUSTRIAL/TRANSIT	42.02-42.94	STATE POLICE
31.16-31.98	STATE FORESTRY	42.96-43.18	INDUSTRIAL
32.01-32.99	US GOVT/MIL	43.20-43.68	PAGING
33.02-33.10	EMERGE	43.70-44.60	TRUCKING/TRANSIT
33.12-33.40	PETROLEUM	44.62-45.06	STATE POLICE
33.42-33.98	FIRE	45.08-46.04	POLICE/PUBLIC SAFETY
34.01-34.99	US GOVT/MIL	46.06-46.50	FIRE
35.02-35.18	BUSINESS	46.52-46.58	LOCAL GOVT
35.20-35.68	PAGING	46.61-46.97	Cordless Phones
35.70-35.98	BUSINESS/INDUSTRIAL	47.02-47.40	STATE HIGHWAY
36.01-36.99	US GOVT/MIL	47.42-47.66	EMERGE/INDUSTRIAL
37.02-37.42	POLICE	47.68-48.54	UTILITIES
37.44-37.88	UTILITIES	48.56-49.58	FOREST PRODUCTS/PETROLEUM
37.90-37.98	EMERGE	49.61-49.65	US GOVT/MIL
38.27-38.99	US GOVT/MIL	49.67-49.99	Cordless Phones
39.02-39.98	POLICE		

Next time around.. a profile of Québec Weatheradio stations.. and more!

Thanks to contributors Gauthier, Webb & Holbrook!
73s, Bill.

SHARE YOUR HOBBY WITH THE REST
OF THE DXING WORLD...WHY NOT
SEND IN A PHOTO OF YOUR DXING
SET-UP AND ANTENNAS?

WESTERN TV-DX

Fred McCormack
PO Box 65666
St. Paul MN 55165-0666

(612) 735-6860

Deadline: 04-08-93

Cut-off: 01-01-93

March 1993

E skip was reported on two January dates, the 5th (a HOT date!) and the 13th. 500+ mile tropo was noted by Kruszka on the 14th and 22nd and by Eckberg on the 1st.

New _____ New Mode _ _ Tent. - t Unidentified - unid S/On - + S/off - =
ID Color Bars - @ Unid Color Bars - % Misc. Test Patterns - &
Parallel Programming - // MTS Stereo - \$

Frank Aden Jr., 4096 Marcia Place, Boise ID 83704 N7SOK

MST

Equipment:

TVs: 19" Inch RCA color, 13" BMG color monitor. VCRs: radio Shack MTS stereo, RCA mono. Antenna: Radio Shack ch 2-13 14 element on rotor at 22'.

12-15 KNOP ch 2, ms, 0432, caught ID slide.

12-21 KFDX ch 3, Es, 0330-0400+.

I taped from 0200-0600 alternating between channels 2, 3, and 4 the last two weeks of December and the first week of January. Wish I had taped channel 2 on the 21st.

12-31 KLBV ch 4, ms, 0423, color bars.

Also seen on December 24 at 0430 color bars with what looked like a map of Texas on the bottom right. Maybe I should send it in to CCI. 73 for now.

Michael Parks, Route 1, Box 103, Amery WI 54001

CST

Equipment:

Channel Master 1110 Quantum with Winegard PA-1375 preamplifier and RG-11U at 30', Channel Master 4228A with Winegard PA-4975 preamplifier and RG-11U at 35', Alliance HD-73-1 rotor, Channel Master 7206 HI "Q" trap, and Zenith Z1920W 19" color TV.

November 1992

3 Es 2146 unids chs 2-4

11 tr 2153 K65BY 65 IA 214

(Waterloo TBN)

2154 Chicago UHF 336

2158 WOTV 41 MI 391

2159 WQRF 39 IL 265

WIFR 23 IL 265

(Over KLGT-23)

WTVO 17 IL 265

(Over KTCI-17)

2200 W33AX 33 WI 200

(Madison TBN)

2202 WAQP 49 MI 434

2204 WGKI 33 MI 351

WGKU 45 MI 365

2205 WGVU 35 MI 359

2209 WTLJ 54 MI 359

2211 WZZM 13 MI 346

2214 WOOD 8 MI 384

2304 W64AU 64 WI 155

(Adams WHRM-20)

2305 WHKE 55 WI 296

WJJA 49 WI 282

2307 W54BHT 54 WI

(Madison TAB)

2309 W43AV 43 WI 263

(Waukesha HSS)

(Cont. ID in LR)

11 tr 2312 W65BT 65 WI 272

(Milwaukee LPTV)

2313 W46AR 46 WI 272

(Milwaukee WCIU-26)

2316 WISN 12 WI 267

WMVS 10 WI 269

WDJT 58 WI 271

2350 WXMI 17 MI 384

(Slogan-"Life in

the FOX lane")

12 tr 0004 W2OAG 20 WI 252

(Sheboygan TBN)

0034 W27AU 27 WI 133

(Wausau WJFW-12)

December 1992

1 tr 0017 #K34DB 34 MN 144

(Redwood Flls MSC)

#K39CH 39 MN 144

(Redwood Flls CNN)

0020 KSPR 33 MO 567

0025 #K21DJ 21 MN 144

(Redwood Flls TBS)

#K25DN 25 MN 144

(Redwood Flls TNN)

0031 KYNE 26 NE 342

0042 KDEB 27 MO 568

20 Es 2222 WSTM 3 NY 818

2247 WGRZ 2 NY 706

20 Es 2247 WKTV 2 NY 872

2315 WLNE 6(RI)1087

2330 WFSB 3 CT 1005

2348 KYW 3 PA 939

WCAX 3 VT 952

21 Es 0218 &C--- 2 PQ

(See Note # 1)

0231 %C--- 3 ON

(See Note # 2)

%CBOT 4(PQ) 796

&CFCM 4 PQ 1010

0247 >CFRS 4 PQ 1030

(All thru WCCO-4)

0301 &CJPM 6 PQ 1020

0315 &CBVT6 6 PQ 1036

0500 &CBFT3 3 NB 1282

("MONCTON")

February 1993

3 tr 1857 #K21DJ 21 MN 144

#K25DN 25 MN 144

2232 #K44AE 44 MN 135

(Willmar KTCB- 2)

(See Note # 3)

K66DN 66 MN 135

(Willmar WCH)

2307 (See Note # 4)

Michael Parks (continued)

- Note # 1 - Phillips test pattern with "QUEBEC" and "RADIO-CANADA." Has anyone figured out who this is yet? There are at least two separate stations running this pattern on channel 2 as I saw both of them simultaneously back on June 8, 1992. There was a 10 KHz offset between the two. I show two CBVT-11, Quebec City, repeaters on channel 2: CBVT1, St. Georges de Beauce and CBVT3, Lac Megantic, but at only 8.4 and 10 Watts respectively, I find it very hard to believe it was either of them.
- Note # 2 - Parallel to CBOT-4 with "OTTAWA" superimposed over color bars in the center and the time in the lower right. Anyone have any idea who this is?
- Note # 3 - Why has this Willmar translator been scrambled when all the others are still in the clear? It looked just like intentional scrambling, but perhaps it was a technical problem of some kind?
- Note # 4 - Austin, St. James, Redwood Falls and Willmar (all Minnesota) translators booming in.

Thanks to Jeff Kadet's photos in the December 1992 VUD I have identified one of my Canadian unids from last June and am adding the following to my log: 6/8/92 aE 0133 &CKLT1 3 NB 1187 (province # 6). 73, Mike

Mike Cherry, Box 631, Ganges BC V0S-1E0 (604-537-5201)

PST

Equipment:

Kenwood RZ-1 receiver, channel 6 crystal trap. Hitachi 5" black & white monitor, Sony Beta Hi-Fi MTS VCR, Archer 15-578 variable signal attenuator. Antennas: Lindsay CC-30 22 element log-periodic with Dalco EID-5SV 28 dB mast-mount preamplifier @ 38 feet with "ARM-strong" rotor. Homebrew six element 6 meter (50 MHz) wide-spaced beam (1.5 wl) @ 60' with Hy-Gain CD-II rotor.

November 1992

24 ms 2159 CFRN 3 AB 544
29 ms.0547 KUTV 2 UT 795

December 1992

2 Es 1744 KREG 3 CO 1028
1758 \$KCNC 4 CO 1097
1759 KDFW 4 TX 1769
1800 KACB 3 TX 1687
KTWO 2 WY 926

2 Es 1812 \$KTVS 3 CO 1150 21 Es 0559 KTVQ 2 MT 735
2133 KCRA 3 CA 739 (Video only)
2135 KTVU 2 CA 697 0600 CBWFT 3 MB 1167
21 Es 0542 KXMA 2 ND 964 CKYB 4 MB 1056
0548 KBME 3 ND 1062 left for work
0553 \$KND2 2 MB 1048 22 Es 1130 KCRA 3 CA 739
0557 KOTA 3 SD 1015 1132 KTVUT 2 CA
0559 WBBMt 2 IL 1800 KWGN 2 CO 1096
(Audio only) \$KCNC 4 CO 1096

Two double-hop openings helped liven up the winter E skip season! December 21st had WBBM's audio ID quite clearly, but no video. 6 meters was also open, but only a few ops were listening. On December 20th, there were numerous reports of multi-hop multi-direction E skip on 50 MHz+, but I was away from home. December 21st while at work, there was apparently a short E skip opening to the Los Angeles area.

Progress comes to the Gulf Islands - my home for the last 18 years is about to be "modernized" after 80 years, so I am about to move one mile wnw inland from the ocean. It is about 400' asl (I've lived on the waterfront) and is much more VHF user-friendly than my old QTH. Trope should be much better. Results with an FM boombox with built-in whip reveal ground wave reception similar to that of home (10 element FM beam at 60'!!!!) and already some tropo from Spokane has shown up. Hopefully my antenna farm should be dismantled and re-erected in time for the beginning of May and primo DX season! My mailing address and phone number will remain the same. This will probably be my last report until my DX gear is re-installed. All I have for DXing is a boombox and an all-band receiver with FM. Hope everyone had a good E skip season this winter! 73s.

William Eckberg, 1032 Sterling Road, Dixon IL 61021

CST

Equipment:

1966 Zenith b/w receiver ch 14N22, modified UHF tuner. Rohn tower - Channel Master 1110 at 41'. Rohn crankup tower - Channel Master 7 foot dish at 52'. RDX Labs UA700 and UA900 preamplifier respectively. Jerrold CAC11 cable.

January 1993

1 tr 2030 WXMT 30 TN 408 5 Es 0430 @CKKX 2 AB 1293 5 Es 0500 CKBQ 2 SK 1013
2200 WBMG 42 AL 582 0440 @CFCN 4 AB 1293 CFCQ1 3 SK 1120
0455 @CKRD 6 AB 1313 1720 WPTV 5 FL 1168

William Eckberg (continued) 5 Es 1730 WEDU 3 FL 1031 13 Es 0230 CJBR 2 PQ 1085
5 Es 1725 WESH 2 FL 985 WPBT 2 FL 1229 20 tr 0500 KSAX 42 MN 404

Highlight was early AM skip on January 5. It lasted an hour and went through channel 6 with two new loggings.

Color bars with 2 and 7 was CKKX-2, Calgary. Color bars on channel 4 with Calgary and channel 5 written on it, was likely CFCN, channel 4, Calgary. There is a CFCN4, channel 5, Burmis, but why put channel 5 on their channel 4 color bars in Calgary? CKRD, channel 6, Red Deer seems the only choice for color bars with "RDTV".

Parallel programming was on channels 2 and 3. I noted a local ad for a ski resort near Melfort, Saskatchewan. They gave at least three calls including CFQC, channel 8, Saskatoon and CKCK, channel 2, Regina. CKCK was puzzling at first. CKBQ, channel 2, Melfort and CFQC1, channel 3, Stranraer repeat CFQC, channel 8, in Saskatoon. Baton Broadcasting owns Saskatoon channel 8 and Regina channel 2.

The January 13 skip lasted 15 minutes with one station on channel 2.

TV and Cable Factbook and WTFDA Data Base were invaluable.

Doug Allen, P.O. Box 5646, Woodland Park CO 80866 (W2CRS) (719-687-3549)

MST

Equipment:

Icom R-7000, Antennacraft Y10-10 and 10G205C preamplifier at 28' and Antennacraft G1483 and BT CMA-Uc preamplifier at 26'. CDR rotors.

January 1993	26 gw 1856	K48CG	48 CO	100	26 gw 2100	K52AA	52 CO	120
11 tr 0110	KSNG	11 KS	242	(Loveland	TBN)	(Eads	KKTV-11)	
0115	KUPK	13 KS	256	1905	K43DK	43 CO	55	2110
0117	KSNK	8 KS	241	(Denver	UNI)	(Colorado Spr	KBDI-12)	20
0120	KAKE	10 KS	417	2058	K54CQ	54 CO	120	27 tr 1700
12 tr 0800	KSTF	10 NE	221	(Fort Collins	KUBD-59)	gw 1710	KKTU	33 WY 150

The above four high band channels, not including KAKE in Wichita, are my regularly received out-of-state high band stations. It takes a little enhancement to get KAKE, but the above Kansas stations are regular. The newly received Colorado translators were not copiable on my TV because of signal strength and/or same channel, different offset interference, but were good copy on the R-7000, a radio I've wanted for years! Santa finally brought it! I'm now up to 70 TV stations received on groundwave or tropo and can receive over 50 of them regularly (most are Colorado translators). The above 70 stations do not include my E skip reception.

I sold my Channel Master 1110 Quantum, an excellent antenna, to make room for a 10-15-20 meter tribander. My VHF DX'ing will have to make do with assorted yagis this year. I do hope to get my P7 back up soon and expect to snag a number of new Colorado translators with it and the R-7000, and hopefully, some DX later in the year. A belated Happy New Year to all - and superb DX'ing in 1993!

Jeff Kruszka, 2824-E Steamship Circle, Harahan LA 70123 504-733-8539

CST

Equipment: See February 1993 Western TV-DX

December 1992	6 tr 0657	WVEU	69 GA	430	14 tr 0645	WNFT	47 FL	514
30 tr 2116	WBMG	42 AL	315	2012	KTFH	49 TX	316	0700
WVTM	13 AL	315	2029	WTBS	17 GA	430	WTLH	49 GA 354
				WATL	36 GA	434	21 tr 0557	+WMAV 18 MS 301
January 1993	2031	WVEU	69 GA	430			+WMAO	23 MS 238
5 Es 2030	unid 2 weak	2151	WAFF	48 AL	392	0600	KHOU	11 TX 319
6 tr 0625	KHOU	11 TX	319	2205	WZDX	54 AL	393	0606
	KSLA	12 LA	290	2249	WJSP	28 GA	380	KHSH
1844	WBMG	42 AL	315	14 tr 0555	WTWC	40 FL	357	0633
1855	KTMD	48 TX	303	0600	WFSU	11 FL	334	(Over WAFB-9)
	KLRT	16 AR	361	0617	WBSG	21 GA	525	0637
1918	KXLN	45 TX	319	0630	WDHN	18 AL	303	22 tr 0554
1926	WTJP	60 AL	345	0638	WTXL	27 FL	359	0630
2002	WGNX	46 GA	434	0645	WAWS	30 FL	514	0644
								KYDA
								60 TX 490

Thanks to Matt Sittel for waking me up on the morning of the 14th for a great opening into Florida and Georgia.

EASTERN TV-DX (NEW EDITOR NEEDED!)

A NEW EDITOR is needed for this section of the UHF-UHF DIGEST. If you would like to volunteer, contact the club publisher via P.O. BOX 514, BUFFALO NY 14205-0514 DXers: hold on to your reports until a volunteer comes forth. NOW, on to the reports forwarded by departing editor **BILL NIENAJADLY**. *N2QJ5*

Roy Barstow, P.O. Box 3488,

Teaticket MA 02536

September 1992: 21 Tr 0900 WGNT
27 VA 455, WHRO 15 VA 457, WTVZ
33 VA 457, WBOC 16 MD 341, WCPB
28 MD 345, WVNY 22 VT 231.

25 Tr 2300 WMGC 34 NY 277, WICZ
40 NY 277, WSKG 46 NY 277, WOCB
55 NY 206 - 2330 WETM 18 NY 324,
WENY 36 NY 324, WCNV 24 NY 292,
WSYT 68 NY 299 - 2345 WNNC 31 VT
158, WVER 28 VT 191, WETK 33 VT
231, WVTA 41 VT 158.

26 Tr 0001 CBLFT-13 15 ON 383,
0015 CICO-TV53 53 ON 383 - 0030
CBLFT-12 44 ON 419, CBLFT-14 32
ON 350 - 0100 CICO-TV74 18 ON 419,
WNPE 16 NY 303 - 0130
CICOTV38-38 ON 350 - 0200 WWTI
50 NY Watertown??, CICO-TV92 55
ONT.

28 Tr 1700 WMPB 67 MD 356, WMPB
28 MD 363, WCPB 28 MD 345, WHSW
24 MD 361, WBFF 45 MD 354, WNUV
54 MD 361 - 1730 WDCA 20 DC 388,
WETA 26 DC 388, WHMM 32 DC 388,
WFTY 50 DC 384 - 1745 WTKK 66 VA
404, WNVN 56 VA 396 - 1800 WFPT
62 MD 390, W42AJ DC 388 - 1910
W57-- (WLIG 55 NY) NY

October 1992

8 Tr 2145 W18-- 18 ME! TRINITY -
2200 WMGC 34 NY 277, WICZ 40 NY
277, WSKG 46 NY 277 - 2213 WUHF
31 NY 371, 16, 22, 28, 38 E. PA - 2323
WOCB 55 NY 206.

15 Tr 1200 WMDT 47 MD 345, WCPB
28 MD 345, WBOC 16 MD, WHRO 15
VA 457 1215 WGNT 27 VA 455, WTVZ
33 VA 457 - 1830 W25AA 25 VA 380,
W41AC 41 VA 380, W44AD 44 380,
W60AL 60 Onancock VA 380 - 1900
W52AB 52 VA 392, W63AM 63 VA
392, W68BH 68 VA 392 - 1915
WJCB-49 VA 457 WUNJ 39 NC 660,
WJKA 26 NC 660.

24 Tr 1115 WBFF 45 MD 354, WTKK
66 VA 404, WHMM 32 DC 388, WHSW
24 MD 361 - 1130 WUNJ 39 NC 660,
WJKA 26 NC 660, WUNN 19 NC T
577, WPTF 28 NC T 591 - 1145
WHRO 15 VA 457, WGNT 27 VA 455,
WTVZ 33 VA 457 - 1200 WCPB 28 MD
345, WBOC 16 MD 341, WMDT 47 MD
345.

A nice opening to the north of Lake
Ontario on Sat. a.m. of 26 September.
38 Kingston at times over WSBK 38

Boston. Screening on the dish makes
a world of difference, directivity
improves noticeably. CICO test tone
after 2 a.m. signoff with their "TVO"
running up the left side of their test
card. TVO sent verification of their
reception and also a TVO network fact
sheet. It lists 2 new stations signed on
in fall of 92. CICE-TV-16 ch 29 and
CHLF-TV-13 ch 17 both around 60 kW
and in Pembroke, Ont. In all my years
of TV DX-ing I have never seen as
many openings west as this season
had. When Binghamton NY is in, the
search for stations needed north and
west of them goes on. Have not seen
WMHX 45 NY this season. Maybe off
the air. WHCT 18 CT and WBCT 43
CT not seen also this season. Must be
off the air? WCVX 58 MA may re
appear if the purchase is approved.
WOST 69 Block Island RI in weak most
of the time. At the hour lists Channel
America stations, so must be on their
network. Seems a lot of stations are
coming and going. We could use a
new LPTV log! The opening north of
Lake Ontario brings my UHF
Canadians to #22. Will activate my
VHF setup before cold weather sets in.
My wife pushing me, hi!

Saul Chenos, 57 Berkeley St.,
Toronto, ON M5A 2W5 (416) 364-0725
July 1992 (Peterborough)
29 Es 1000 KNOP 2 NE

August 1992

5 Es 1900 WPBT 2 FL
10 Es 1000 WESH 2 FL

September

13 Tr (Downtown Toronto) 2300
WNPE 16 NY - 2305 CICO-18 18 ON -
2315 CICO 32 Where??? - 2335
CICO-53 ON.

14 Tr 0823 CITY-31 ON - 2100 WWTI
50 NY - 2105 CB. (Kitchener?)

October

6 Tr CKWS-1 66 Brighton ON,

CHEX-1 22 Oshawa ON

7 Tr 0610 CBLN 40 ON - 2020

CBLFT-8 61 ON - 2022 WSYT 68 NY -

2310 CBLFT-13 15 ON - 2312 CICO-

51 ON - 2320 CICO- 38 ON - 2355

WSEE 35 PA - 2357 WQLN 54 PA

23 Tr 0230 WQHS 61 OH - 0517

WBNX 55 OH

Have had good FM tropo openings but
my downtown location doesn't offer
enough height to be serious. I've a
good but narrow path to the east, and

that's about it. I've gone to the
Scarborough Bluffs in the east end
(overlooking Lake Ontario) for decent
Tr openings and have concentrated on
FM. 73's - Saul.

Jeff Wolf, 1131 University Blvd. W, Apt.
701, Silver Spring MD 20902

October

3 Tr 0930 WNRW 45 NC 273.

11 Tr 0212 WYED 17 NC 248.

13 Tr 0015 WYED 17 NC 248 - 0025

WAAP 16 NC 250 - 0100 WRDC 28

NC 248 - 0115 WLFL 22 NC 251 -

0207 WKFT 40 NC.

15 Tr 0657 WXTV 41 NY 196 - 0659

WLIG 55 NY 253 - 0710 WRDC 28 NC
248.

18 Es 1428 MUF ch 3 - 1438 KPRC 2
TX 1235.

23 Tr 0730 WUNE 17 NC t CCI - 0759

WBRA 15 VA 226 - 2300 WUNJ 39

344 - 2301 WKFT 40 NC 265 - 2303

WPDE 15 SC 349 - WUNE 17 NC t

CCI.

24 Tr 0107 WJKA 26 NC 344 - 0110

WRDC 28 NC 248 - 0900 WAAP 16

NC 251 - 0938 WVVIT 30 CT 283.

No Name on Report - Via Bill
Thompson, c/o WTFDA POB 514

I understand that Bill Nienajadly has
relinquished the Eastern TV-DX
column. Since it may be awhile until a
new editor is found and the column re-
instated, I thought you should know
about some exceptional tropo loggings
made by Carlon Howington of St.
Petersburg recently. They are of the
sort that are too good not to share. On
12-15 between 1845 and 2100 local
time, Carlon made three rather
remarkable loggings: WXTV-41
Paterson NJ (NY) (985 miles),
WNAC-64 Providence RI (MA) (1130
miles) and WFTX-25 Boston MA (1155
miles). Distances are approximate.
These signals were all extremely
weak, received on an ICOM R-7000 as
audio, although WNAC-64 was seen
with video on his Teknika for about a
minute at the peak. The loggings were
verified chiefly through phone calls to
the stations involved as well as help
from Roy Barstow. (The guy at
WNAC-64 was thoroughly confused--
he kept asking Carlon "yeah, but why
can't you just watch your LOCAL Fox
affiliate?" hi, hi...")

S.P. Sprachman (no address on report)

August 1992

20 Tr WGTW 48 Burlington NJ
23 Tr 2100 Super opening - All Philly V's and U's including W42--
Philadelphia's UNI translator. WGBS 57 Philadelphia (over W57BC). 2105 WTVS 51, 2106 unID 51 w/PBS under WTVS 51 (probably WVPT-51). Also relogs - 15,27,33 Norfolk, 39,43 PA, 16, 28 Salisbury, 22 Annapolis, 19, 36 NC PTV - 2110 W25AA, W60--
Onancock VA translators - 213- unID 23 PBS under WJNS-23, probably Richmond - 2300 WJKA 26 NC - 2301 WHMM 32 DC - 2302 WVEC 13 VA - 2305 WUNJ 39 NC - 2330 WSKG 46 NY - 2331 WMGC 34 NY - 2332 WENY 36 NY 2333 WICZ 40 NY - 0000 WYDO 14 NC - WYED 17 NC.

24 Tr - Super tropo continues - 0600 WWLF-56 PA w/WOLF ID - 0601 W25AA VA w/WHRO TP - 0602 relogs 25, 31 Hagerstown MD, 26, 50 DC, 24, 45, 54 Baltimore - 0630 WCNY 24 NY - 0631 WETM 18 NY, WENY 36 NY - also seen: Albany/Schenectady WRGB 6, WTN 10, WMHT 17, WXXA 23.

September

14 Tr 0615 WBNG 12 NY - 0630 WRGB 6 NY.
16 Tr 0630 WAAP 16 NC, unID 48 w/HSN Spree - I think this was WGTW 48 but other mornings they have had cartoons. WGTW seems to "cherry-pick" from satellite...I've seen programs from Cornerstone TV, AEN, Movie Greats Network, and New England Sports Network -- so far! I happen to like this station because their programming is such a surprise. Plus all Philadelphia stations strong - 0635 WMPY 22 MD.

28 Tr 1930 WJLA 7 DC under/over WABC 7, Also 26, 32 DC, 24, 45 Baltimore. 1937 unID 14 ...a religious station with an area code 302, which is Delaware. Is the WGCN 49 translator on channel 14 in Wilmington now originating their own programming? 1950 WTVT 53 VA - 2002 WTKK 66 VA.

Well that's it. so far the DX this fall has been poor.

Matthew C. Sittel, 603 Fulton Road,

Apt. B-24, Tallahassee FL 32322

Equipment: Archer VHF/UHF/FM compact indoor/outdoor for VHF, 4-bay UHF w/Winegard CP-4800 amp. + Teknika TVC-22 tuner. All indoor antennas!

September 1992

2 Tr 0510 WMAZ 13 GA 163 - 0512 WMGJ 41 GA 163 - 0633 WCOV 20 AL 174.

3 Tr 2104 WAIQ 26 AL 176.

4 Tr 0633 WBHS 50 FL 219 - 0635 WTSB 10 FL 183 - 0638 WFTS 28 FL 219.

9 Tr 0803 WEXQ 42 MS 214

20 Tr 0039 WXXV 25 MS 283 - 0917 WAKA 8 AL 176 - 1850 WTOG 44 FL 219, WTTA 38 FL 219 - 1857 WTVT 13 FL 221 - 1916 WCLF 22 FL 183.

21 Tr 0741 WTTQ 21 AL 254, WBMG

42 AL 254 - 0754 WVTM 13 AL 254, WABM 68 AL 254 - 0807 WBIQ 10 AL 254.

22 Tr 0737 WMAH 19 MS 276, WXXV 25 MS 276 - 0754 WKRG 5 AL 210 - 0755 WALA 10 AL 208.

28 Tr 0652 WLTX 19 SC 323, WJCL 22 GA 205 - 0658 WUFT 5 FL 125 - 0729 WSFP 30 FL 295 - 0732 WEVU 26 FL 322, WFTX 36 FL 295 - 0741 WTMV 32 FL 230 - 0758 WESH 2 FL 207 - 0810 WAGT 26 (SC) 218.

30 Tr 1957 WEIQ 42 AL 214 - 1958 WMAH 19 MS 276 - 1959 WXXV 25 MS 276 - 2028 WVue 8 LA 339. Some fair openings during September, but I was hoping for more Gulf DX... Watch out! WESH 2's new logo is exactly the same as KPRC 2's logo! It fooled me...congrats to Bill on seeing my old friend WKPT 19!! Wonder what I'd have received there?

October

1 Tr 0654 WMAH 19 MS 276, WXXV 25 MS 283

12 Tr 0657 WKCF 18 FL 208, WMFE 24 FL 231 - 0729 WACX 35 FL 208 - 0752 W3IAT 31 (Gainesville FL VJN "The Box") 130.

14 Tr 0638 WNOL 38 LA 338, WGN0 26 LA 338 - 0639 KADN 15 LA 471, W29BH 29 MS (Biloxi) 273 - 0645

WHLT 22 MS 299, WMAH 19 MS 276 - 0648 WXXV 25 MS 283 - 0654 WVLA 33 LA 415 - !!! 0703 KRRT 35 TX 872 !!! - 0704 KLTL 18 LA 517 - 0713 KLPB

24 LA 481 - 0743 KVHP 29 LA 531 - 0808 KHTV 39 TX 671 - 0811 WYES 12 LA 339 - 0823 WLAE 32 LA 339 - 0829 KABB 29 TX 838 !!!

15 Tr 0458 WLTX 19 SC 323 - 0509 WOLO 25 SC 313 - 0511 WIS 10 SC 325 - 2128 WBSV 62 FL 259, WSFP 30 FL 295 - 2129 WFTX 36 FL 295 - 2133 WXXV 25 MS 283 - 2136 WMAH 19 MS 276.

17 Tr 0851 WJCL 22 GA 205 - 0858 WTAT 24 SC 317 - 0929 WJWJ 16 SC 262 - 1036 WTLG 52 FL 252 - 1039 W29AB 29 FL (Ocala WTOG 44 xltr) 159.

19 Tr 0625 WESH 2 FL 207 - 0629 WJCT 7 FL 162 - 0659 W69AY 69 FL (Alachua WACX 55 xltr) 116 - 0729 WOFL 35 FL 231 - 0730 WKCF 18 FL 208 - 0733 WMFE 24 FL 231 - 0734 WXXV 25 MS 283 - 0735 WMAH 19 MS 276.

21 Tr 0741 WATL 36 GA 229 - 0752 WPBA 30 GA 229.

23 Tr 0316 W14AW 14 FL (Largo) 199 - 0753 WCES 20 GA 225 - 0759 WAGT 26 (SC) 218.

25 Tr 1926 WNOL 38 LA 338, WGN0 26 LA 338 - 2101 WCEU 15 FL 208, WBSF 43 FL 252 - 2104 WBCC 68 FL 232 - 2107 WTVX 34 FL 330 - 2134 WPBF 25 FL 330 - 2203 WBHH 20 FL 294 - 2240 WFLX 29 FL 364 - 2302

WXEL 42 FL 364.

26 Tr 0642 WFTV 9 FL 231 - 2237 W63BK 63 FL (Pensacola TBN) 174 - 2245 WEAR 3 (AL) 198 - 2247 WXXV 25 MS 283 - 2250 WMAH 19 MS 276 - 2313 WNOL 38 LA 338 - 2329 WFTX 36 SC 295.

October produced lots of tropes here!

From now on I'll leave out my Tampa

Bay DX, as it seems to be in often. Wish I had more time to enjoy DX, but other than before school and near bedtime I don't have time. Still with openings like 10/14 I can't complain. That was fun!! I hope the great DX continues for all of us. 73's.

Doug Smith, 14 Brookside Court,

Nashville TN 37209-4503 (CST)

Equipment: Sears tabletop stereo 19"; rabbit ears; small Radio Shack corner reflector for UHF.

December 1992

20 Tr 2230 WKMR 38 KY 229 very rare- WKZT 23 KY 116 - WKPD 29 112 - WKLE 46 KY 178 - WFIE 14 (KY) 121 - WEHT 25 (KY) 121 - WLKY 32 (IN) 158 snow free w/SAP - WGRB 34 KY 108 - WKMA 35 KY 78 - WTVQ 36 KY 182 (CCI to W36AK) - WKNT 40 KY 70 - WDRB 41 (IN) 157 - WDSI 61 IN 106 - WLJC 65 196 weak sync bars - 2257 KTEJ 19 AR 212 - 2329 KPOB 15 MO 198 (only 398 kW) - WVUT 22 IN 170 - 21 Tr 0000 WBAK 38 IN 208 - WTVW 7 IN 128 - 0136 W46AJ 46 TN 81 (Cookeville TBN) 81 - WPBA 30 GA 211 - WTB5 17 GA 208, WZTV 17 off!

First time I've ever noticed them off. WXMT 30 also off. - 0147 WVEU 69 GA 209, unID-NBC 13 NBC - 0211 WGNX 46 GA 208, WTLK 14 GA 172 - WTTQ 21 AL 177.

January 1993

2 Tr 0310 WTCT 27 IL 149 - WRGT 45 OH - WHOI 43 (OH) - WTVW 7 (KY) 128 - WKFE 22 OH 275 - WDKY 56 KY 160 - WXIN 59 IN 252 - WIII 64 OH 234 - WHMB 40 IN 252 - WCLJ 42 IN 221 - W46AJ 46 TN 81 (Cookeville TBN) - WIIB 63 IN 221 - WLCN 19 KY - 0403 WKRN 2 off at 0400; noticed some sync bars & a few meteor bursts, WBNA 21 KY 139 - 0530 WKPC 15 IN 158 (rare) - WXIX 19 (OH) 233 - KDNL 30 MO 246 - 0655 WKYT 27 KY 182, WCET 48 OH 234 - 0804 WFIY 20 IN 253 - WBAK 38 IN 208 - WKLE 46 KY 178, WKFE & WRGT still in.

7 Tr 0247 WK43 43 TN 157 - 0250 WLKY 32 (IN) 158, WZDX 54 AL 102, WDKY 56 KY 160, WTTQ 21 AL 177, WBMG 42 AL 177, 0301 WNAL 44 AL 150 - 0817 WOWL 15 AL 115.

KPOB thanks to parallel from Tom Bryant on the phone. Tom had unID Es on 3 at the time; hams in western KY were reporting double-hop to California on 50 MHz. No E at my location either on 50 MHz or TV.

Channel 13 unID probably WVTM-AL.

REPORTS EDITED

AND RE-TYPED

FOR U.U.D. BY:

ROBERT TWOMEY,
AMSTERDAM, N.Y.

Es Pests

In an attempt to determine why Nashville's three VHF-Lo stations (WKRN-2, VSMV-4, WTVF-5) are so rarely reported to the DX columns, I decided to do a quickie survey of DX loggings in back issues of the VUD. 18 issues between 1988 and 1992 were randomly chosen. All TV loggings for which call letters were given were entered into a database. (unIDs and reports like "Milwaukee 18,24,30" were ignored) The database ended up with a total of approximately 7,900 loggings. The following stations appeared 20 or more times:

WPBT-2: 145	CKCK-2: 42	KACB-3: 28
WEDU-3: 107	KGAN-2: 40	WPTV-5: 27
WBRZ-2: 98	KOTA-3: 39	KMOL-4: 27
KENW-3: 92	WCET-48: 37	WTVY-4: 26
KPRC-2: 87	XEPM-2: 36	KMTV-3: 26
KMID-2: 87	KWGN-2: 36	KTVQ-2: 25
WESH-2: 76	KAMR-4: 36	WWL-4: 25
KIII-3: 73	KVBC-3: 35	KDFW-4: 25
KACV-2: 55	KSNC-2: 34	KLBY-4: 24
KFDX-3: 53	XHRIO-2: 33	KIDK-3: 24
KSWK-3: 51	KNOP-2: 33	XEFB-3: 24
KKTO-2: 51	WCBD-2: 32	KRTV-3: 23
KJRH-2: 48	KGBT-4: 42	WSAV-3: 21
KATC-3: 48	WWAY-3: 30	KTVI-2: 20
KBTX-3: 47	KTVS-3: 30	KDBC-4: 20
KNAZ-2: 46	KDTN-2: 30	KBME-3: 20
KTWO-2: 45	WNEO-49: 29	KARD-14: 20
WLBT-3: 44	KUSD-2: 29	KXMA-2: 20
WTVJ-4: 43	KSNW-3: 29	KTBS-3: 20
WEAR-3: 42	KCNC-4: 29	KJAC-4: 20
KLNE-3: 42	KDLO-3: 28	KUTV-2: 20
		WXON-20: 20

Note that, except for the four UHF stations, the rest are all low-band VHF; also note that, except for the UHFs, none of these stations is north of the Tennessee/Alabama border & east of the Mississippi River, that is, none is in the Midwest or Northeast.

Plotting these stations on a map makes it apparent where the majority of the WFDFA active membership lives! (or at least, the location of their "skip zone" within which Es propagation is unlikely!) It also appears to reflect a much greater likelihood that an Es relog will be 1Dd/reported than a tropo relog. (the latter probably because Es openings affect fewer channels, so the DXer is more likely to stick with a potential relog-- hoping to find something else-- than to change channels in search of a definite new one.)

Why KARD-14 is one of the most frequently-reported stations, I've no idea-- the other three UHFs are centrally located among the membership & are therefore more likely to be logged via tropo.

Doug Smith
14 Brookside Court
Nashville, TN 37209-4503

W9WI

Nashville

1993

D A T E C O R R E C T I O N

Please disregard the dates listed on page 2 of your February VUD. The 1993 WTFDA Convention will be held in Nashville, Tennessee on Friday, Saturday, and Sunday J U L Y 23, 24, and 25.

Since last month's initial announcement, we can report that with the assistance of the Nashville Chamber of Commerce and it's Convention Bureau, we have been in contact with almost twenty area hotels and motels that understand the unusual nature of our requirements for a convention site. A few of the contenders appear to be excellent candidates and we will announce our final selection no later than April 1.

Early response indicates that a lot of you are seriously considering attending. With that in mind, we'd like to suggest that you start making your plans now...such as how long you'll be in Nashville, and how many (probably a maximum of four) will be sharing a room. With all that lined up, you'll be in a position to make your reservations as soon as the details are announced. Bear in mind that the Convention will take place during a peak tourist period; and lodging will be on a first come, first served basis.

Keep watching VUD for more information! Of course, if you have any suggestions or questions, please contact us...and be sure to mark down the CORRECT DATES.

J U L Y 23, 24, and 25

Hosts: Tom Bryant (615) 646-2000
Doug Smith (615) 356-8305

[No collect calls, please. Answering devices at both numbers.]

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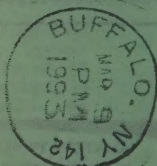
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